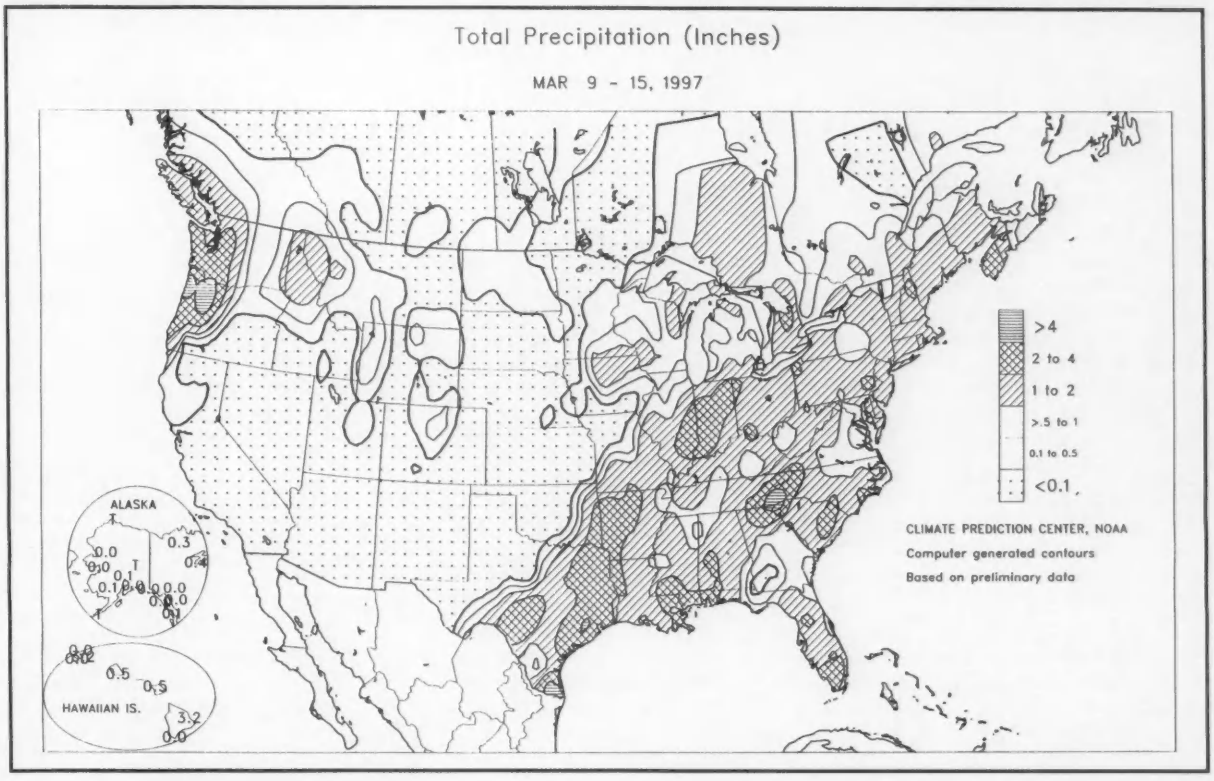
Volume 84, No. 11 March 18, 1997

# WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board




## HIGHLIGHTS

### March 9 - 15, 1997

The **Ohio River** crest progressed slowly downstream, reaching the **Mississippi River** by week's end. Storm systems traversed the **Ohio Valley** on March 9 and 13, saturating soils with another 1 to 3 inches of rain. The latter system also produced unwelcomed heavy snow across the **North Central States**, where serious spring flooding is anticipated. The late-week storm also dumped locally heavy rainfall in the **Southeast**, hindering fieldwork and planting. However, beneficial rain dampened **Peninsular Florida**. In contrast, warm, dry weather prevailed on the **central and southern Plains** for much of the week, reducing topsoil

*(Continued on page 2)*

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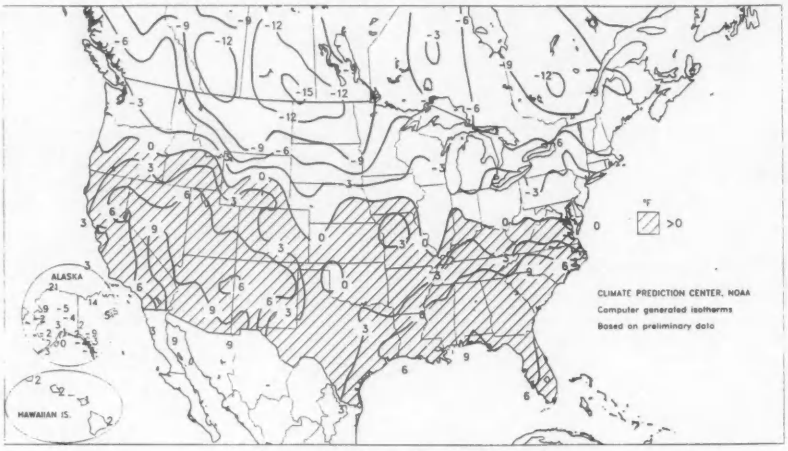
moisture for winter wheat growth. Temperatures averaged above normal throughout the **southern half of the Nation**, with departures ranging from +6 to +10 in the **Southwest** and **Southeast**. Abnormally cold weather continued across the **northern Plains**, where temperatures ranged from 5 to 12°F below normal.

Early in the week, a high-pressure system crossed **New England**, while Pacific-origin air overspread much of the Nation in the wake of a cold front. On Sunday, **Montpelier, VT** (-12°F) notched a daily-record low. A day later, warmth spread quickly eastward from the **West Coast**. In **California**, daily records on March 10 included 90°F in **Lompoc** and 85°F in **San Diego**. The early-week cold front stalled before reaching **Florida**, allowing for an extended period of warmth. From March 10-12, **Ft. Myers** posted three consecutive daily-record highs (90, 88, and 90°F).

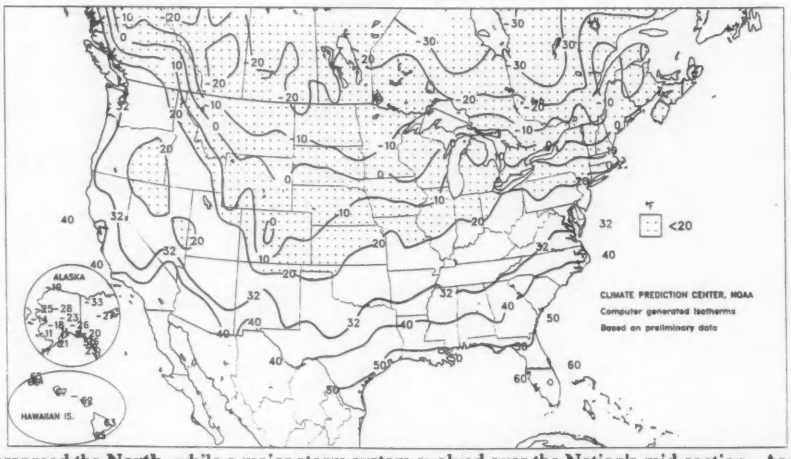
Departure of Average Temperature from Normal (°F)

MAR 9 - 15, 1997




Extreme Minimum Temperature (°F)

MAR 9 - 15, 1997




At midweek, high pressure again overspread the **North**, while a major storm system evolved over the Nation's mid-section. As early as Tuesday, heavy rain developed across **southern Texas**, where **Victoria** collected 4.15 inches, a daily-record total. Storm-total rainfall reached 9.33 inches in **Port Isabel, TX**. A day later, warmth surged into the **central Plains**, resulting in daily-record highs in locations such as **Hill City, KS** (82°F) and **Pueblo, CO** (78°F).

Heavy snow spread into the **Pacific Northwest** at midweek, reaching the **northern Plains** and **Great Lakes States** a day later. In **northern Idaho, Bonners Ferry** received a March-record, 24-hour snowfall (14.5 inches) on Wednesday. On March 13-14, snowfall totaled 28.0 inches in **Marquette, MI**--an all-time, 24-hour record--leaving their snow depth at an unprecedented 63 inches. The storm also produced an all-time-record, 24-hour snowfall in **Alpena, MI** (19.3 inches on March 14-15), boosting their seasonal total to an unmatched 176.1 inches. In **Wisconsin**, March-record, 24-hour totals were measured in **Green Bay** (14.5 inches) and **LaCrosse** (14.3 inches). In **North Dakota**, storm-total snowfall reached 8.2 inches in **Bismarck** and 7.0 inches in **Fargo**. The latter total further padded **Fargo's** record seasonal total to 106.6 inches.

Farther east and south, precipitation on March 14 reached daily-record proportions in **Buffalo, NY** (1.21 inches) and **Orlando, FL** (1.23 inches). In the **Northeast**, the storm boosted weekly snowfall to 11.2 inches in **Syracuse, NY** and 9.0 inches in **Worcester, MA**. Storm-total rainfall surpassed 3 inches in **Mobile, AL**, and approached 2 inches in locations such as **Peru, IN, Detroit, MI**, and **McComb, MS**. In **Cincinnati, OH**, the **Ohio River** fell below flood stage on March 11 for the first time in 9 days. Downstream, the **Ohio River** crest ranked among the top 10 floods at all gauging stations. The crest passed **Mt. Vernon, IN** on March 11, shortly after producing the fourth-highest level (about 12.5 feet above flood stage) at **Newburgh, IN**. Water levels remained nearly steady for several days late in the week along the **lower Ohio River**, where the crest at **Grand Chain, IL** (about 15.9 feet above flood stage on March 14) was second only to the Great Flood of 1937. By week's end, cold air cloaked most areas east of the **Rockies**. On Friday, **Billings, MT** (-8°F) logged a daily-record low. Lows dipped into the 10's well into **Kansas**. Highs on Saturday failed to crack the 20-degree mark as far south as **Dubuque, IA** (18°F, 24° below normal).

# Seasonal Snowfall Records, 1996-97

*(Updated through Mar. 16, 1997)*

| State | Location | Total (Inches) | Date Broken | Former Record/Year |
|---|---|---|---|---|
| ND | Fargo | 106.6 | March 3 | 89.1 in 1993-94 |
| MI | Alpena | 176.1 | March 14 | 166.3 in 1970-71 |
| MN | Rochester | 78.1 | March 14 | 77.5 in 1950-51 |

# Selected Ohio River Flood Highlights

| State | Location | Feet Above Flood Stage/Crest Date | Historical Rank | Highest Since |
|---|---|---|---|---|
| WV | Huntington | +7.5 feet on March 5 | 7th | March 1955 |
| OH | Cincinnati | +12.7 feet on March 6 | 9th | March 1964 |
| KY | Louisville | ~ +15.7 feet on March 7 | n/a | March 1964 |
| IN | Newburgh | ~ +12.5 feet on March 10 | 4th | n/a |
| IL | Grand Chain | ~ +15.8 feet on March 13 | 2nd | 1937 |

Away from the Ohio River, the worst flooding occurred in Kentucky, where February 26 - March 5 rainfall topped 1 foot in some areas. On March 1, 10.48 inches pelted Louisville, KY. Record crests were established along several Ohio River tributaries, including Rolling Fork and Licking River. At Boston, KY, Rolling Fork crested at an estimated 18.2 feet above flood stage on March 4, 0.6 feet above the February 1989 record. The Licking River at Falmouth, KY surged to an estimated 24 feet above flood stage, shattering the March 1964 record by nearly 5 feet.

By March 17, runoff and floodwaters from the Ohio River allowed for a broad crest on the Mississippi River. Gauging points from the Ohio-Mississippi confluence to south of Memphis, TN were near peak levels. Apparent crests ranged from 4.2 feet above flood stage at Helena, AR to 10.1 feet above flood stage at Caruthersville, MO. The water level at Memphis was 6.5 feet above flood stage. Farther downstream, the Mississippi River at Baton Rouge, LA rose 5.5 feet above flood stage on March 17, a half-foot above the level on June 18, 1995, the decade's highest. The crest is expected to reach Baton Rouge about March 27.

# Record Flooding Anticipated in the North Central States (Mar. 14 Update)

Record flooding is expected at a few gauging sites in the Red, James, and Missouri River basins this spring, based solely upon the melting of existing snowpack, including:

| River | Location | Snowmelt Level | Record Stage and Date |
|---|---|---|---|
| Turtle Creek | Redfield, SD | 10.0 feet a.f.s. | 8.9 feet on April 7, 1969 |
| James River | Huron, SD | 8.0 feet | 5.9 feet on May 19, 1995 |
| | Forestburg, SD | 6.0 feet | 5.3 feet on April 22, 1995 |
| Sheyenne River | Harwood, ND | 8.0 feet | 6.7 feet on April 13, 1996 |
| Missouri River | S. Sioux City, NE | 1.0 foot | 0.8 feet on June 25, 1984 |
| Floyd River | Sheldon, IA | 2.0 feet | 1.0 foot on March 28, 1962 |

Note: In the tables, "a.f.s." represents "above flood stage." Record stages are listed in terms of feet a.f.s.

Many more locations in the North Central States will endure unprecedented water levels if precipitation during the next few weeks equals or exceeds normal. The potential flood levels in the following table were calculated based upon runoff from existing snowpack and normal precipitation during the melt period:

| River | Location | Potential Level | Record Stage and Date |
|---|---|---|---|
| Red River | Wahpeton, ND | 8.5 feet a.f.s. | 8.0 feet on April 5, 1989 |
| | Fargo, ND | 20.5 feet | 20.3 feet on April 15, 1969 |
| | Halstad, MN | 15.5 feet | 15.0 feet on April 22, 1979 |
| | E. Grand Forks, MN | 21.0 feet | 20.8 feet on April 26, 1979 |
| | Oslo, MN | 11.0 feet | 10.6 feet on April 26, 1979 |
| | Drayton, ND | 12.0 feet | 11.7 feet on April 28, 1979 |
| | Pembina, ND | 12.0 feet | 11.8 feet on May 1, 1979 |
| | Emerson, Manitoba | 9.7 feet | 9.7 feet on May 1, 1979 |
| Sheyenne River | Fargo, ND | 6.0 feet | 5.0 feet on July 26, 1993 |
| | Harwood, ND | 10.0 feet | 6.7 feet on April 13, 1996 |
| Two Rivers | Hallock, MN | 8.0 feet | 7.5 feet on April 23, 1996 |
| Turtle Creek | Redfield, SD | 11.0 feet | 8.9 feet on April 7, 1969 |
| James River | Huron, SD | 8.5 feet | 5.9 feet on May 19, 1995 |
| | Forestburg, SD | 7.0 feet | 5.3 feet on April 22, 1995 |
| | Mitchell, SD | 7.0 feet | 6.4 feet on April 23, 1995 |
| | Scotland, SD | 8.0 feet | 7.5 feet on June 23, 1984 |
| | Ashton, SD | 10.5 feet | 9.4 feet on May 18, 1995 |
| Missouri River | S. Sioux City, NE | 2.5 feet | 0.8 feet on June 25, 1984 |
| Floyd River | Sheldon, IA | 2.5 feet | 1.0 foot on March 28, 1962 |
| Chocolay River | Harvey, MI | 4.5 feet | 4.5 feet on April 20, 1985 |

The National Weather Service will issue its next spring flood outlook on March 28.

# National Weather Data for Selected Cities

## Weather Data for the Week Ending March 8, 1997

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | TEMP, °F | | PRECIP. | |
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .05 INCH OR MORE |
| AL | BIRMINGHAM | 69 | 45 | 80 | 33 | 57 | 6 | 1.72 | 0.36 | 0.59 | 1.72 | 110 | 12.84 | 113 | 96 | 78 | 0 | 0 | 3 | 3 |
| | MOBILE | 74 | 53 | 79 | 43 | 63 | 6 | 0.15 | -1.33 | 0.14 | 0.15 | 9 | 10.70 | 90 | 90 | 46 | 0 | 0 | 2 | 0 |
| | MONTGOMERY | 75 | 49 | 84 | 35 | 62 | 9 | 0.28 | -1.15 | 0.26 | 0.28 | 17 | 13.23 | 111 | 82 | 37 | 0 | 0 | 2 | 0 |
| AK | ANCHORAGE | 28 | 24 | 35 | 10 | 26 | 3 | 0.08 | -0.09 | 0.01 | 0.08 | 42 | 0.71 | 41 | 73 | 57 | 0 | 6 | 2 | 0 |
| | BARROW | -9 | -22 | -4 | -29 | -16 | 2 | 0.00 | -0.03 | 0.00 | 0.00 | 0 | 0.08 | 31 | 76 | 72 | 0 | 7 | 0 | 0 |
| | FAIRBANKS | 19 | -11 | 24 | -28 | 4 | -1 | 0.01 | -0.07 | 0.01 | 0.01 | 11 | 0.80 | 60 | 78 | 41 | 0 | 7 | 1 | 0 |
| | JUNEAU | 31 | 24 | 37 | 12 | 27 | -4 | – | – | – | – | – | – | – | – | – | 0 | 7 | - | - |
| | KODIAK | 37 | 26 | 40 | 21 | 32 | 0 | 0.39 | -0.70 | 0.22 | 0.39 | 31 | 17.30 | 124 | 81 | 61 | 0 | 6 | 3 | 0 |
| | NOME | 13 | -1 | 26 | -13 | 6 | 0 | 0.15 | 0.04 | 0.13 | 0.15 | 115 | 2.04 | 134 | 73 | 60 | 0 | 7 | 2 | 0 |
| AZ | PHOENIX | 76 | 48 | 82 | 42 | 62 | 2 | 0.00 | -0.22 | 0.00 | 0.00 | 0 | 1.46 | 91 | 63 | 13 | 0 | 0 | 0 | 0 |
| | PRESCOTT | 59 | 23 | 68 | 16 | 41 | 0 | 0.00 | -0.44 | 0.00 | 0.00 | 0 | 3.06 | 86 | 92 | 28 | 0 | 7 | 0 | 0 |
| | TUCSON | 76 | 44 | 81 | 35 | 60 | 3 | 0.00 | -0.17 | 0.00 | 0.00 | 0 | 1.61 | 93 | 60 | 13 | 0 | 0 | 0 | 0 |
| | YUMA | 75 | 49 | 85 | 43 | 62 | -1 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 0.47 | 75 | 52 | 13 | 0 | 0 | 0 | 0 |
| AR | FORT SMITH | 64 | 38 | 79 | 30 | 51 | 3 | 0.63 | -0.20 | 0.59 | 1.28 | 136 | 8.33 | 153 | 91 | 48 | 0 | 1 | 2 | 1 |
| | LITTLE ROCK | 64 | 41 | 79 | 35 | 53 | 3 | 3.98 | 2.98 | 2.28 | 5.15 | 429 | 12.42 | 156 | 96 | 60 | 0 | 0 | - | - |
| CA | BAKERSFIELD | 65 | 40 | 73 | 35 | 52 | -4 | 0.00 | -0.25 | 0.00 | 0.00 | 0 | 2.78 | 126 | 82 | 13 | 0 | 0 | 0 | 0 |
| | EUREKA | 53 | 39 | 57 | 31 | 46 | -3 | 0.98 | -0.27 | 0.56 | 1.77 | 124 | 13.15 | 108 | 89 | 31 | 0 | 1 | 4 | 1 |
| | FRESNO | 65 | 40 | 71 | 36 | 53 | -1 | 0.00 | -0.44 | 0.00 | 0.00 | 0 | 3.39 | 80 | 86 | 13 | 0 | 0 | 0 | 0 |
| | LOS ANGELES | 66 | 48 | 80 | 45 | 57 | -1 | 0.00 | -0.52 | 0.00 | 0.00 | 0 | 4.21 | 77 | – | – | 0 | 0 | 0 | 0 |
| | REDDING | 63 | 37 | 72 | 28 | 50 | -2 | 0.66 | -0.39 | 0.26 | 0.68 | 55 | 10.39 | 89 | – | – | 0 | 1 | 4 | 0 |
| | SACRAMENTO | 65 | 40 | 72 | 34 | 52 | 0 | 0.06 | -0.57 | 0.06 | 0.06 | 8 | 8.00 | 113 | – | – | 0 | 0 | 1 | 0 |
| | SAN DIEGO | 66 | 49 | 75 | 48 | 58 | -1 | 0.00 | -0.41 | 0.00 | 0.00 | 0 | 3.27 | 85 | 76 | 36 | 0 | 0 | 0 | 0 |
| | SAN FRANCISCO | 59 | 45 | 63 | 40 | 52 | -1 | 0.11 | -0.63 | 0.06 | 0.11 | 13 | 7.91 | 94 | 89 | 50 | 0 | 0 | 2 | 0 |
| CO | DENVER | 51 | 24 | 62 | 8 | 38 | 1 | 0.02 | -0.22 | 0.02 | 0.02 | 7 | 0.89 | 52 | – | – | 0 | 6 | 1 | 0 |
| | GRAND JUNCTION | 49 | 22 | 63 | 19 | 36 | -4 | 0.06 | -0.13 | 0.06 | 0.06 | 29 | 0.77 | 61 | 81 | 32 | 0 | 7 | 1 | 0 |
| | PUEBLO | 59 | 18 | 72 | 2 | 38 | -1 | 0.23 | 0.08 | 0.11 | 0.23 | 135 | 0.82 | 104 | 80 | 24 | 0 | 7 | 2 | 0 |
| CT | BRIDGEPORT | 45 | 32 | 59 | 27 | 38 | 3 | 0.52 | -0.29 | 0.22 | 0.52 | 57 | 5.62 | 76 | 99 | 44 | 0 | 4 | 5 | 0 |
| | HARTFORD | 44 | 29 | 59 | 20 | 36 | 3 | 0.85 | -0.14 | 0.28 | 0.85 | 72 | 5.22 | 69 | 98 | 53 | 0 | 5 | 6 | 0 |
| DC | WASHINGTON | 56 | 41 | 70 | 33 | 48 | 5 | 1.11 | 0.39 | 1.02 | 1.81 | 223 | 6.81 | 109 | 87 | 54 | 0 | 0 | 3 | 1 |
| FL | PANAMA CITY | 74 | 57 | 79 | 46 | 66 | 9 | – | – | – | – | – | – | – | – | – | 0 | 0 | - | - |
| | DAYTONA BEACH | 81 | 59 | 86 | 47 | 70 | 8 | 0.01 | -0.69 | 0.01 | 0.01 | 1 | 2.50 | 37 | 100 | 55 | 0 | 0 | 1 | 0 |
| | JACKSONVILLE | 79 | 56 | 87 | 38 | 67 | 7 | 0.00 | -0.89 | 0.00 | 0.00 | 0 | 4.17 | 52 | 93 | 46 | 0 | 0 | 0 | 0 |
| | KEY WEST | 82 | 74 | 84 | 71 | 78 | 6 | 0.59 | 0.19 | 0.59 | 0.59 | 126 | 4.92 | 115 | 86 | 69 | 0 | 0 | 1 | 1 |
| | MIAMI | 82 | 71 | 86 | 70 | 76 | 6 | 0.13 | -0.39 | 0.13 | 0.13 | 22 | 3.36 | 72 | 87 | 62 | 0 | 0 | 1 | 0 |
| | ORLANDO | 84 | 60 | 88 | 51 | 72 | 7 | 0.00 | -0.80 | 0.00 | 0.00 | 0 | 3.50 | 58 | 96 | 49 | 0 | 0 | 0 | 0 |
| | TALLAHASSEE | 77 | 53 | 84 | 33 | 65 | 7 | 0.04 | -1.44 | 0.02 | 0.04 | 2 | 9.46 | 78 | 96 | 52 | 0 | 0 | 3 | 0 |
| | TAMPA | 83 | 65 | 85 | 52 | 74 | 9 | 0.00 | -0.78 | 0.00 | 0.00 | 0 | 1.61 | 27 | 89 | 62 | 0 | 0 | 0 | 0 |
| | WEST PALM BEACH | 81 | 70 | 85 | 67 | 75 | 6 | 0.43 | -0.26 | 0.43 | 0.43 | 54 | 9.13 | 148 | 86 | 58 | 0 | 0 | 1 | 0 |
| GA | ATLANTA | 72 | 49 | 80 | 37 | 60 | 10 | 0.34 | -0.97 | 0.29 | 0.34 | 23 | 12.96 | 117 | 77 | 32 | 0 | 0 | 2 | 0 |
| | AUGUSTA | 77 | 45 | 86 | 31 | 61 | 8 | 0.04 | -1.05 | 0.04 | 0.04 | 3 | 8.54 | 89 | 90 | 36 | 0 | 1 | 1 | 0 |
| | MACON | 75 | 48 | 86 | 36 | 61 | 7 | 0.07 | -1.08 | 0.06 | 0.07 | 5 | 10.54 | 100 | 90 | 38 | 0 | 0 | 2 | 0 |
| | SAVANNAH | 77 | 54 | 85 | 35 | 65 | 9 | 0.30 | -0.55 | 0.30 | 0.30 | 31 | 5.69 | 73 | 94 | 39 | 0 | 0 | 1 | 0 |
| HI | HILO | 79 | 66 | 83 | 64 | 72 | 1 | 5.76 | 2.90 | 1.73 | 6.25 | 192 | 16.42 | 70 | 94 | 69 | 0 | 0 | 7 | 5 |
| | HONOLULU | 82 | 70 | 85 | 68 | 76 | 2 | 0.25 | -0.27 | – | 0.26 | 43 | 8.13 | 128 | 81 | 58 | 0 | 0 | - | - |
| | KAHULUI | 82 | 69 | 85 | 67 | 76 | 3 | – | – | – | – | – | – | – | 84 | 57 | 0 | 0 | - | - |
| | LIHUE | 80 | 71 | 80 | 69 | 76 | 3 | – | – | – | – | – | – | – | 84 | 68 | 0 | 0 | - | - |
| ID | BOISE | 47 | 31 | 56 | 23 | 39 | -1 | 0.13 | -0.15 | 0.04 | 0.15 | 48 | 3.02 | 107 | 81 | 35 | 0 | 4 | 5 | 0 |
| | LEWISTON | 49 | 35 | 58 | 31 | 42 | 0 | 0.19 | -0.04 | 0.11 | 0.19 | 73 | 3.82 | 156 | – | – | 0 | 3 | 4 | 0 |
| | POCATELLO | 40 | 24 | 49 | 18 | 32 | -1 | 0.25 | -0.02 | 0.09 | 0.25 | 81 | 2.22 | 98 | 85 | 46 | 0 | 7 | 5 | 0 |
| IL | CHICAGO | 41 | 27 | 49 | 19 | 34 | 1 | 0.00 | -0.49 | 0.00 | 0.12 | 21 | 5.91 | 171 | 84 | 64 | 0 | 6 | 0 | 0 |
| | MOLINE | 43 | 25 | 56 | 22 | 34 | 2 | – | – | – | – | – | – | – | 86 | 61 | 0 | 7 | - | - |
| | PEORIA | 45 | 27 | 58 | 22 | 36 | 2 | 0.00 | -0.54 | 0.00 | 0.11 | 18 | 6.37 | 179 | 83 | 49 | 0 | 7 | 0 | 0 |
| | QUINCY | 47 | 28 | 61 | 26 | 37 | 1 | – | – | – | – | – | – | – | 88 | 47 | 0 | 7 | - | - |
| | ROCKFORD | 38 | 25 | 45 | 19 | 31 | 1 | 0.00 | -0.44 | 0.00 | 0.09 | 16 | 4.04 | 136 | – | – | 0 | 7 | 0 | 0 |
| | SPRINGFIELD | 49 | 29 | 60 | 24 | 39 | 3 | 0.13 | -0.50 | 0.01 | 0.34 | 47 | 4.43 | 110 | 85 | 56 | 0 | 5 | 2 | 0 |
| IN | EVANSVILLE | 55 | 35 | 63 | 26 | 45 | 3 | 0.67 | -0.35 | 0.64 | 2.59 | 225 | 9.57 | 138 | 90 | 62 | 0 | 2 | 4 | 1 |
| | FORT WAYNE | 44 | 28 | 53 | 20 | 36 | 3 | 0.20 | -0.38 | 0.20 | 0.23 | 35 | 5.98 | 135 | 89 | 67 | 0 | 7 | 1 | 0 |
| | INDIANAPOLIS | 48 | 32 | 54 | 22 | 40 | 3 | 0.44 | -0.35 | 0.41 | 0.80 | 89 | 8.20 | 146 | 88 | 62 | 0 | 2 | 2 | 0 |
| | SOUTH BEND | 42 | 26 | 52 | 17 | 34 | 1 | 0.09 | -0.51 | 0.02 | 0.11 | 18 | 4.92 | 102 | 82 | 63 | 0 | 7 | 1 | 0 |
| IA | DES MOINES | 45 | 22 | 62 | 16 | 33 | 1 | 0.03 | -0.35 | 0.03 | 0.04 | 9 | 0.95 | 40 | 84 | 47 | 0 | 7 | 1 | 0 |
| | SIOUX CITY | 39 | 18 | 57 | 8 | 29 | -2 | 0.23 | -0.14 | 0.23 | 0.23 | 56 | 1.17 | 70 | 84 | 56 | 0 | 7 | 1 | 0 |
| | WATERLOO | 37 | 20 | 50 | 13 | 29 | 0 | 0.00 | -0.42 | 0.00 | 0.00 | 0 | 1.74 | 74 | – | – | 0 | 7 | 0 | 0 |
| KS | CONCORDIA | 56 | 27 | 71 | 20 | 42 | 4 | 0.02 | -0.41 | 0.02 | 0.02 | 4 | 1.56 | 87 | 77 | 33 | 0 | 6 | 1 | 0 |
| | DODGE CITY | 57 | 27 | 70 | 19 | 42 | 2 | 0.00 | -0.29 | 0.00 | 0.00 | 0 | 1.22 | 85 | 73 | 29 | 0 | 6 | 0 | 0 |
| | GOODLAND | 53 | 23 | 73 | 20 | 38 | 2 | 0.00 | -0.23 | 0.00 | 0.00 | 0 | 0.63 | 61 | 82 | 34 | 0 | 7 | 0 | 0 |
| | TOPEKA | 56 | 27 | 70 | 22 | 41 | 2 | 0.00 | -0.46 | 0.00 | 0.12 | 23 | 2.99 | 119 | 83 | 35 | 0 | 6 | 0 | 0 |
| | WICHITA | 56 | 30 | 67 | 25 | 43 | 1 | 0.00 | -0.51 | 0.00 | 0.09 | 16 | 2.61 | 102 | 80 | 36 | 0 | 5 | 0 | 0 |
| KY | BOWLING GREEN | 58 | 40 | 68 | 28 | 49 | 5 | – | – | – | – | – | – | – | 100 | 66 | 0 | 2 | - | - |
| | LEXINGTON | 53 | 36 | 63 | 26 | 45 | 3 | 2.60 | 1.84 | 0.98 | 6.52 | 782 | 16.52 | 231 | 93 | 58 | 0 | 2 | 4 | 3 |
| | LOUISVILLE | 56 | 39 | 67 | 31 | 48 | 5 | 0.93 | -0.07 | 0.69 | 8.23 | 722 | 16.89 | 231 | 87 | 58 | 0 | 2 | 3 | 1 |
| LA | BATON ROUGE | 74 | 47 | 81 | 39 | 60 | 2 | 0.33 | -0.78 | 0.33 | 0.33 | 26 | 13.96 | 119 | 100 | 74 | 0 | 0 | 1 | 0 |
| | LAKE CHARLES | 73 | 49 | 81 | 43 | 61 | 3 | 0.06 | -0.71 | 0.04 | 0.06 | 7 | 13.33 | 148 | 91 | 59 | 0 | 0 | 2 | 0 |
| | NEW ORLEANS | 72 | 53 | 81 | 48 | 63 | 4 | 0.13 | -1.06 | 0.10 | 0.13 | 9 | 12.69 | 102 | 84 | 48 | 0 | 0 | 3 | 0 |
| | SHREVEPORT | 70 | 45 | 79 | 39 | 58 | 4 | 3.30 | 2.36 | 2.51 | 3.53 | 330 | 16.09 | 170 | 90 | 51 | 0 | 0 | 3 | 2 |

Based on 1961-90 normals

## Weather Data for the Week Ending March 8, 1997

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | TEMP, °F | | PRECIP. | |
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .05 INCH OR MORE |
| ME | CARIBOU | 25 | 6 | 46 | -13 | 15 | -4 | 1.26 | 0.74 | 1.06 | 1.29 | 219 | 7.12 | 144 | 85 | 60 | 0 | 7 | 2 | 1 |
| | PORTLAND | 38 | 25 | 55 | 16 | 32 | 3 | 0.84 | 0.05 | 0.54 | 0.91 | 101 | 5.94 | 76 | 82 | 53 | 0 | 6 | 4 | 1 |
| MD | BALTIMORE | 53 | 37 | 69 | 27 | 45 | 4 | – | – | – | – | – | – | – | 99 | 66 | 0 | 2 | - | - |
| | SALISBURY | 54 | 38 | 72 | 27 | 46 | 4 | – | – | – | – | – | – | – | 100 | 59 | 0 | 2 | - | - |
| MA | BOSTON | 43 | 32 | 58 | 25 | 38 | 2 | 0.67 | -0.16 | 0.31 | 0.67 | 71 | 4.18 | 51 | 89 | 47 | 0 | 3 | 5 | 0 |
| | WORCESTER | 38 | 27 | 52 | 18 | 32 | 2 | 0.81 | -0.08 | 0.32 | 0.81 | 82 | 5.87 | 72 | 100 | 54 | 0 | 7 | 6 | 0 |
| MI | ALPENA | 32 | 18 | 40 | 5 | 25 | 1 | 0.44 | 0.01 | 0.21 | 0.57 | 119 | 6.71 | 197 | 88 | 55 | 0 | 7 | 5 | 0 |
| | DETROIT | 41 | 27 | 54 | 17 | 34 | 2 | 0.18 | -0.33 | 0.15 | 0.31 | 53 | 5.94 | 146 | 85 | 59 | 0 | 5 | 3 | 0 |
| | FLINT | 38 | 24 | 50 | 14 | 31 | 1 | 0.10 | -0.31 | 0.08 | 0.13 | 28 | 5.09 | 163 | 89 | 65 | 0 | 7 | 3 | 0 |
| | GRAND RAPIDS | 37 | 24 | 40 | 13 | 30 | 0 | 0.05 | -0.45 | 0.03 | 0.28 | 50 | 7.01 | 184 | 89 | 65 | 0 | 7 | 2 | 0 |
| | HOUGHTON LAKE | 33 | 18 | 39 | -2 | 25 | 1 | 0.28 | -0.12 | 0.15 | 0.35 | 78 | 4.62 | 148 | 89 | 62 | 0 | 7 | 4 | 0 |
| | LANSING | 38 | 23 | 48 | 9 | 30 | 2 | 0.12 | -0.29 | 0.09 | 0.19 | 40 | 5.26 | 167 | – | – | 0 | 7 | 2 | 0 |
| | MARQUETTE | 28 | 8 | 34 | -9 | 18 | -1 | 0.22 | -0.35 | 0.08 | 0.36 | 56 | 7.96 | 174 | 89 | 63 | 0 | 7 | 5 | 0 |
| | MUSKEGON | 38 | 24 | 38 | 15 | 30 | 0 | 0.02 | -0.47 | 0.02 | 0.14 | 25 | 5.42 | 123 | 85 | 60 | 0 | 7 | 1 | 0 |
| | SAULT ST. MARIE | – | – | – | – | – | – | – | – | – | – | – | – | – | 90 | 58 | - | - | - | - |
| MN | ALEXANDRIA | 22 | -1 | 30 | -17 | 10 | -11 | – | – | – | – | – | – | – | 91 | 62 | 0 | 7 | - | - |
| | DULUTH | 25 | 10 | 32 | -7 | 17 | -2 | 0.10 | -0.26 | 0.08 | 0.24 | 59 | 1.74 | 72 | 84 | 54 | 0 | 7 | 2 | 0 |
| | INT'L FALLS | 22 | -8 | 30 | -23 | 7 | -9 | – | – | – | – | – | – | – | 85 | 50 | 0 | 7 | - | - |
| | MINNEAPOLIS | 29 | 10 | 41 | 1 | 20 | -6 | 0.39 | 0.02 | 0.22 | 0.50 | 122 | 2.31 | 103 | 86 | 58 | 0 | 7 | 2 | 0 |
| | ROCHESTER | 27 | 13 | 38 | 5 | 20 | -5 | 0.01 | -0.30 | 0.01 | 0.05 | 14 | 2.40 | 133 | 84 | 71 | 0 | 7 | 1 | 0 |
| MS | GREENWOOD | 70 | 48 | 80 | 36 | 58 | 5 | – | – | – | – | – | – | – | 100 | 76 | 0 | 0 | - | - |
| | JACKSON | 72 | 44 | 82 | 36 | 58 | 6 | 0.57 | -0.73 | 0.34 | 0.57 | 39 | 11.75 | 100 | 87 | 43 | 0 | 0 | 2 | 0 |
| | MERIDIAN | 74 | 46 | 83 | 33 | 60 | 6 | 0.91 | -0.59 | 0.68 | 0.91 | 52 | 11.49 | 93 | 96 | 45 | 0 | 0 | 2 | 1 |
| MO | CAPE GIRARDEAU | 57 | 36 | 65 | 28 | 46 | 3 | 0.11 | -0.96 | 0.11 | 2.58 | 211 | 10.21 | 137 | 93 | 63 | 0 | 2 | 1 | 0 |
| | COLUMBIA | 51 | 29 | 64 | 26 | 40 | 2 | 0.00 | -0.61 | 0.00 | 0.12 | 17 | 7.24 | 182 | 83 | 42 | 0 | 6 | 0 | 0 |
| | KANSAS CITY | 52 | 27 | 68 | 21 | 40 | 1 | 0.05 | -0.43 | 0.05 | 0.07 | 13 | 3.38 | 123 | 80 | 38 | 0 | 7 | 1 | 0 |
| | SAINT LOUIS | 54 | 34 | 64 | 30 | 44 | 3 | 0.03 | -0.71 | 0.02 | 0.15 | 18 | 6.92 | 145 | 86 | 48 | 0 | 4 | 2 | 0 |
| | SPRINGFIELD | 56 | 30 | 67 | 25 | 43 | 1 | 0.24 | -0.52 | 0.13 | 0.47 | 54 | 5.59 | 123 | 87 | 48 | 0 | 5 | 2 | 0 |
| MT | BILLINGS | 41 | 24 | 55 | 14 | 32 | 0 | 0.20 | -0.01 | 0.11 | 0.20 | 83 | 1.17 | 65 | 79 | 51 | 0 | 6 | 2 | 0 |
| | GLASGOW | 24 | 8 | 37 | -7 | 16 | -9 | 0.00 | -0.08 | 0.00 | 0.00 | 0 | 0.35 | 40 | 87 | 62 | 0 | 7 | 0 | 0 |
| | GREAT FALLS | 36 | 16 | 51 | 4 | 26 | -4 | 0.14 | -0.07 | 0.11 | 0.14 | 58 | 0.57 | 33 | 85 | 52 | 0 | 6 | 2 | 0 |
| | HAVRE | 36 | 17 | 53 | 4 | 26 | -1 | 0.00 | -0.13 | 0.00 | 0.00 | 0 | 0.20 | 19 | 88 | 55 | 0 | 7 | 0 | 0 |
| | HELENA | 43 | 24 | 54 | 17 | 34 | 3 | 0.03 | -0.11 | 0.03 | 0.03 | 19 | 0.30 | 33 | 85 | 38 | 0 | 7 | 1 | 0 |
| | KALISPELL | 37 | 23 | 42 | 11 | 30 | -1 | 0.28 | 0.06 | 0.10 | 0.39 | 150 | 3.43 | 119 | 92 | 68 | 0 | 7 | 6 | 0 |
| | MILES CITY | 39 | 19 | 54 | 1 | 29 | 0 | 0.00 | -0.11 | 0.00 | 0.00 | 0 | 0.30 | 27 | 79 | 40 | 0 | 7 | 0 | 0 |
| | MISSOULA | 40 | 27 | 45 | 21 | 33 | 0 | 0.22 | 0.00 | 0.18 | 0.22 | 88 | 2.67 | 118 | 86 | 55 | 0 | 6 | 3 | 0 |
| NE | GRAND ISLAND | 50 | 22 | 70 | 13 | 36 | 2 | 0.00 | -0.36 | 0.00 | 0.02 | 6 | 1.08 | 67 | 82 | 38 | 0 | 7 | 0 | 0 |
| | LINCOLN | 50 | 21 | 70 | 12 | 35 | 1 | 0.00 | -0.38 | 0.00 | 0.00 | 0 | 0.93 | 55 | – | – | 0 | 7 | 0 | 0 |
| | NORFOLK | 45 | 18 | 66 | 8 | 32 | 0 | 0.50 | 0.15 | 0.50 | 0.52 | 130 | 1.50 | 89 | 80 | 45 | 0 | 7 | 1 | 1 |
| | NORTH PLATTE | 52 | 19 | 68 | 12 | 36 | 3 | 0.00 | -0.21 | 0.00 | 0.00 | 0 | 0.67 | 64 | 81 | 27 | 0 | 7 | 0 | 0 |
| | OMAHA | 48 | 22 | 65 | 13 | 35 | 1 | 0.00 | -0.38 | 0.00 | 0.00 | 0 | 1.16 | 90 | 86 | 41 | 0 | 6 | 0 | 0 |
| | SCOTTSBLUFF | 51 | 18 | 63 | 10 | 35 | 1 | 0.00 | -0.20 | 0.00 | 0.00 | 0 | 0.62 | 53 | – | – | 0 | 7 | 0 | 0 |
| | VALENTINE | 47 | 17 | 65 | 9 | 32 | 2 | 0.00 | -0.19 | 0.00 | 0.00 | 0 | 0.51 | 57 | – | – | 0 | 7 | 0 | 0 |
| NV | ELY | 45 | 19 | 53 | 7 | 32 | -1 | 0.00 | -0.19 | 0.00 | 0.00 | 0 | 1.89 | 117 | 73 | 32 | 0 | 7 | 0 | 0 |
| | LAS VEGAS | 67 | 39 | 76 | 38 | 53 | -1 | 0.00 | -0.11 | 0.00 | 0.00 | 0 | 0.20 | 19 | 35 | 10 | 0 | 0 | 0 | 0 |
| | RENO | 56 | 25 | 65 | 15 | 40 | -1 | 0.00 | -0.19 | 0.00 | 0.00 | 0 | 4.02 | 174 | 75 | 27 | 0 | 6 | 0 | 0 |
| | WINNEMUCCA | 50 | 20 | 57 | 10 | 35 | -3 | 0.00 | -0.17 | 0.00 | 0.00 | 0 | 1.65 | 108 | 79 | 27 | 0 | 7 | 0 | 0 |
| NH | CONCORD | 39 | 25 | 57 | 14 | 32 | 4 | 0.49 | -0.12 | 0.24 | 0.50 | 72 | 5.94 | 103 | 95 | 29 | 0 | 6 | 4 | 0 |
| NJ | ATLANTIC CITY | 52 | 33 | 72 | 24 | 43 | 4 | 1.43 | 0.66 | 1.28 | 1.99 | 224 | 8.29 | 112 | 96 | 48 | 0 | 3 | 3 | 1 |
| NM | ALBUQUERQUE | 61 | 30 | 68 | 23 | 46 | 2 | 0.00 | -0.11 | 0.00 | 0.00 | 0 | 0.67 | 63 | 44 | 11 | 0 | 4 | 0 | 0 |
| | CLOVIS | – | – | – | – | – | – | – | – | – | – | – | – | – | 75 | 33 | - | - | - | - |
| | ROSWELL | 65 | 32 | 79 | 25 | 49 | -1 | – | – | – | – | – | – | – | – | – | 0 | 4 | - | - |
| NY | ALBANY | 39 | 26 | 52 | 18 | 33 | 3 | 0.74 | 0.11 | 0.42 | 0.74 | 104 | 3.10 | 58 | 87 | 59 | 0 | 6 | 4 | 0 |
| | BINGHAMTON | 38 | 25 | 52 | 14 | 31 | 3 | 1.21 | 0.61 | 0.52 | 1.22 | 179 | 4.09 | 76 | 93 | 62 | 0 | 7 | 6 | 1 |
| | BUFFALO | 37 | 25 | 57 | 18 | 31 | 1 | 1.20 | 0.62 | 0.56 | 1.26 | 191 | 3.47 | 149 | 92 | 66 | 0 | 7 | 6 | 1 |
| | NEW YORK | 47 | 35 | 61 | 31 | 41 | 3 | 0.65 | -0.11 | 0.39 | 0.91 | 93 | 7.19 | 106 | 84 | 54 | 0 | 2 | 5 | 0 |
| | ROCHESTER | 36 | 26 | 58 | 20 | 32 | 2 | 1.08 | 0.58 | 0.42 | 1.08 | 189 | 5.61 | 118 | 92 | 56 | 0 | 7 | 5 | 0 |
| | SYRACUSE | 40 | 27 | 58 | 20 | 34 | 4 | 0.80 | 0.23 | 0.46 | 0.81 | 125 | 4.24 | 82 | 85 | 57 | 0 | 6 | 6 | 0 |
| NC | ASHEVILLE | 66 | 42 | 75 | 34 | 54 | 9 | 1.01 | -0.29 | 0.41 | 1.17 | 79 | 10.82 | 110 | 96 | 69 | 0 | 0 | 3 | 0 |
| | CHARLOTTE | 70 | 45 | 81 | 33 | 57 | 10 | 0.93 | -0.12 | 0.44 | 0.95 | 80 | 8.31 | 95 | 88 | 42 | 0 | 0 | 3 | 0 |
| | GREENSBORO | 63 | 41 | 73 | 32 | 52 | 7 | 1.38 | 0.53 | 0.85 | 1.53 | 156 | 7.31 | 98 | 82 | 50 | 0 | 1 | 3 | 1 |
| | HATTERAS | 64 | 50 | 71 | 41 | 57 | 8 | 0.08 | -0.91 | 0.08 | 0.08 | 7 | 7.57 | 72 | 85 | 57 | 0 | 0 | 1 | 0 |
| | NEW BERN | 72 | 49 | 84 | 39 | 61 | 10 | 0.08 | -0.86 | 0.08 | 0.36 | 33 | 7.55 | 78 | 87 | 46 | 0 | 0 | 1 | 0 |
| | RALEIGH | 66 | 42 | 77 | 29 | 54 | 6 | 0.60 | -0.31 | 0.29 | 0.60 | 58 | 6.55 | 80 | 87 | 52 | 0 | 1 | 4 | 0 |
| | WILMINGTON | 72 | 50 | 82 | 36 | 61 | 11 | 0.02 | -1.03 | 0.02 | 0.02 | 2 | 6.87 | 67 | 93 | 56 | 0 | 0 | 1 | 0 |
| ND | BISMARCK | 24 | 2 | 46 | -7 | 13 | -10 | 0.02 | -0.10 | 0.02 | 0.02 | 14 | 1.44 | 138 | 81 | 60 | 0 | 7 | 1 | 0 |
| | FARGO | 21 | -5 | 34 | -22 | 8 | -12 | 0.36 | 0.18 | 0.31 | 0.36 | 180 | 0.99 | 73 | 94 | 61 | 0 | 7 | 4 | 0 |
| | GRAND FORKS | 19 | -2 | 28 | -13 | 8 | -10 | 0.04 | -0.13 | 0.02 | 0.18 | 90 | 1.07 | 77 | 88 | 58 | 0 | 7 | 2 | 0 |
| | WILLISTON | 21 | -1 | 36 | -16 | 10 | -14 | 0.32 | 0.20 | 0.32 | 0.32 | 246 | 0.76 | 66 | 86 | 62 | 0 | 7 | 1 | 0 |
| OH | AKRON-CANTON | 43 | 27 | 58 | 14 | 35 | 1 | 0.33 | -0.37 | 0.12 | 0.64 | 80 | 3.63 | 70 | 94 | 62 | 0 | 6 | 4 | 0 |
| | CINCINNATI | 51 | 33 | 61 | 21 | 42 | 3 | 0.53 | -0.37 | 0.35 | 2.46 | 241 | 6.98 | 111 | 87 | 58 | 0 | 2 | 3 | 0 |
| | CLEVELAND | 44 | 29 | 59 | 17 | 37 | 3 | 0.70 | 0.09 | 0.50 | 1.22 | 174 | 5.91 | 120 | 87 | 61 | 0 | 5 | 3 | 1 |
| | COLUMBUS | 48 | 32 | 61 | 22 | 40 | 4 | 0.40 | -0.29 | 0.16 | 1.40 | 177 | 5.02 | 96 | 86 | 60 | 0 | 3 | 3 | 0 |
| | DAYTON | 47 | 30 | 57 | 20 | 39 | 2 | 0.23 | -0.48 | 0.13 | 1.31 | 164 | 5.40 | 108 | 92 | 64 | 0 | 4 | 2 | 0 |

Based on 1961-90 normals

## Weather Data for the Week Ending March 8, 1997

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | TEMP, °F | | PRECIP. | |
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN, SINCE Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .05 INCH OR MORE |
| | TOLEDO | 42 | 27 | 55 | 17 | 35 | 3 | 0.31 | -0.23 | 0.31 | 0.34 | 56 | 6.96 | 171 | 88 | 65 | 0 | 7 | 1 | 0 |
| | YOUNGSTOWN | 42 | 27 | 58 | 19 | 35 | 3 | 0.81 | 0.16 | 0.58 | 0.98 | 132 | 2.36 | 48 | 92 | 62 | 0 | 7 | 3 | 1 |
| OK | OKLAHOMA CITY | 57 | 36 | 85 | 28 | 47 | 0 | 0.00 | -0.57 | 0.00 | 0.00 | 0 | 2.61 | 76 | 78 | 41 | 0 | 3 | 0 | 0 |
| | TULSA | 61 | 35 | 70 | 30 | 48 | 2 | 0.11 | -0.59 | 0.09 | 0.16 | 20 | 3.82 | 89 | 79 | 38 | 0 | 3 | 2 | 0 |
| OR | ASTORIA | 49 | 37 | 51 | 31 | 43 | -2 | 2.54 | 0.84 | 0.95 | 4.51 | 232 | 20.67 | 106 | 92 | 63 | 0 | 1 | 7 | 1 |
| | BURNS | 44 | 23 | 51 | 15 | 34 | 0 | 0.05 | -0.17 | 0.05 | 0.05 | 21 | 2.87 | 144 | – | – | 0 | 7 | 1 | 0 |
| | MEDFORD | 54 | 35 | 62 | 28 | 45 | -1 | 0.16 | -0.28 | 0.11 | 0.53 | 106 | 5.06 | 99 | – | – | 0 | 3 | 3 | 0 |
| | PENDLETON | 50 | 34 | 55 | 31 | 42 | -1 | 0.01 | -0.26 | 0.01 | 0.30 | 97 | 1.72 | 58 | 76 | 42 | 0 | 4 | 1 | 0 |
| | PORTLAND | 48 | 38 | 52 | 33 | 43 | -3 | 1.20 | 0.35 | 0.30 | 2.21 | 226 | 11.00 | 108 | 92 | 58 | 0 | 0 | 6 | 0 |
| | SALEM | 48 | 37 | 52 | 29 | 43 | -2 | 1.53 | 0.51 | 0.55 | 2.78 | 236 | 13.93 | 120 | – | – | 0 | 1 | 5 | 1 |
| PA | ALLENTOWN | 45 | 31 | 62 | 24 | 38 | 3 | 0.63 | -0.09 | 0.30 | 0.70 | 85 | 4.68 | 88 | 93 | 56 | 0 | 5 | 5 | 0 |
| | ERIE | 42 | 29 | 59 | 22 | 35 | 3 | 1.72 | 1.09 | 0.80 | 2.06 | 289 | 7.35 | 141 | 92 | 64 | 0 | 6 | 5 | 2 |
| | HARRISBURG | 49 | 33 | 64 | 28 | 41 | 4 | 0.74 | 0.01 | – | 0.94 | 107 | 4.41 | 86 | – | – | 0 | 3 | - | - |
| | PHILADELPHIA | 50 | 34 | 66 | 28 | 42 | 3 | 1.00 | 0.26 | 0.76 | 1.23 | 146 | 6.70 | 98 | 86 | 56 | 0 | 2 | 5 | 1 |
| | PITTSBURGH | 46 | 29 | 60 | 14 | 38 | 2 | 0.79 | 0.06 | 0.39 | 1.22 | 147 | 4.29 | 75 | 90 | 59 | 0 | 4 | 5 | 0 |
| | SCRANTON | 42 | 30 | 58 | 24 | 36 | 3 | 0.73 | 0.19 | 0.30 | 0.73 | 118 | 3.33 | 68 | 92 | 58 | 0 | 5 | 6 | 0 |
| RI | PROVIDENCE | 45 | 31 | 60 | 24 | 38 | 4 | 0.51 | -0.37 | 0.17 | 0.51 | 50 | 6.61 | 76 | 86 | 50 | 0 | 4 | 6 | 0 |
| SC | CHARLESTON | 76 | 53 | 85 | 38 | 64 | 9 | 0.00 | -1.00 | 0.00 | 0.00 | 0 | 4.88 | 62 | 88 | 46 | 0 | 0 | 0 | 0 |
| | COLUMBIA | 75 | 47 | 84 | 33 | 61 | 8 | 0.02 | -1.09 | 0.02 | 0.02 | 2 | 9.15 | 93 | 90 | 39 | 0 | 0 | 1 | 0 |
| | FLORENCE | 73 | 48 | 87 | 34 | 60 | 8 | – | – | – | – | – | – | – | 93 | 46 | 0 | 0 | - | - |
| | GREENVILLE | 68 | 45 | 78 | 37 | 56 | 8 | 0.68 | -0.55 | 0.47 | 0.76 | 54 | 11.62 | 117 | 85 | 45 | 0 | 0 | 3 | 0 |
| SD | ABERDEEN | 23 | 0 | 36 | -17 | 11 | -12 | 0.06 | -0.14 | 0.03 | 0.06 | 26 | 2.28 | 158 | 87 | 60 | 0 | 7 | 2 | 0 |
| | HURON | 29 | 6 | 42 | -8 | 18 | -9 | 0.09 | -0.23 | 0.06 | 0.14 | 40 | 1.48 | 103 | 84 | 67 | 0 | 7 | 1 | 0 |
| | RAPID CITY | 41 | 17 | 56 | 8 | 29 | -2 | 0.00 | -0.18 | 0.00 | 0.00 | 0 | 0.87 | 80 | 84 | 52 | 0 | 7 | 0 | 0 |
| | SIOUX FALLS | 30 | 7 | 46 | -6 | 18 | -9 | 0.01 | -0.27 | 0.01 | 0.05 | 16 | 1.82 | 124 | 84 | 57 | 0 | 7 | 1 | 0 |
| TN | CHATTANOOGA | 68 | 46 | 76 | 33 | 57 | 10 | 1.76 | 0.39 | 0.93 | 1.79 | 115 | 13.17 | 117 | 89 | 42 | 0 | 0 | 3 | 1 |
| | KNOXVILLE | 66 | 46 | 74 | 30 | 56 | 9 | 2.90 | 1.75 | 1.08 | 2.95 | 225 | 13.03 | 137 | 86 | 50 | 0 | 1 | 3 | 3 |
| | MEMPHIS | 65 | 44 | 74 | 36 | 54 | 5 | 1.97 | 0.80 | 1.97 | 4.83 | 363 | 16.82 | 179 | 99 | 93 | 0 | 0 | 1 | 1 |
| | NASHVILLE | 64 | 42 | 74 | 30 | 53 | 6 | 5.94 | 4.88 | 2.92 | 6.11 | 505 | 13.20 | 153 | 89 | 51 | 0 | 1 | 3 | 3 |
| TX | ABILENE | 66 | 43 | 80 | 32 | 55 | 2 | 0.61 | 0.33 | 0.61 | 0.70 | 226 | 4.28 | 171 | 84 | 43 | 0 | 1 | 1 | 1 |
| | AMARILLO | 63 | 29 | 71 | 20 | 46 | 2 | 0.00 | -0.21 | 0.00 | 0.00 | 0 | 1.10 | 82 | 77 | 19 | 0 | 5 | 0 | 0 |
| | AUSTIN | 68 | 48 | 73 | 40 | 58 | 0 | 0.15 | -0.28 | 0.11 | 0.15 | 31 | 5.12 | 117 | 88 | 48 | 0 | 0 | 5 | 0 |
| | BEAUMONT | 73 | 60 | 81 | 42 | 62 | 3 | 0.09 | -0.66 | 0.04 | 0.09 | 9 | 10.70 | 119 | 100 | 69 | 0 | 0 | 2 | 0 |
| | BROWNSVILLE | 78 | 58 | 85 | 49 | 68 | 1 | 0.05 | -0.06 | 0.03 | 0.05 | 31 | 1.08 | 39 | 94 | 42 | 0 | 0 | 3 | 0 |
| | CORPUS CHRISTI | 76 | 56 | 83 | 43 | 66 | 3 | 0.14 | -0.11 | 0.14 | 0.14 | 48 | 1.52 | 38 | 88 | 39 | 0 | 0 | 1 | 0 |
| | DEL RIO | 74 | 51 | 82 | 41 | 63 | 2 | 0.01 | -0.10 | 0.01 | 0.01 | 8 | 2.25 | 136 | 80 | 29 | 0 | 0 | 1 | 0 |
| | EL PASO | 70 | 38 | 80 | 27 | 54 | 2 | 0.00 | -0.08 | 0.00 | 0.11 | 122 | 0.82 | 89 | 52 | 13 | 0 | 2 | 0 | 0 |
| | FORT WORTH | 65 | 44 | 75 | 34 | 55 | 3 | 0.86 | 0.22 | 0.76 | 0.87 | 119 | 8.55 | 172 | 92 | 55 | 0 | 0 | 4 | 1 |
| | GALVESTON | 67 | 55 | 76 | 49 | 61 | 2 | 0.07 | -0.43 | 0.07 | 0.07 | 12 | 7.04 | 116 | – | – | 0 | 0 | 1 | 0 |
| | HOUSTON | 73 | 47 | 78 | 41 | 60 | 2 | 0.19 | -0.47 | 0.14 | 0.28 | 37 | 8.94 | 129 | 92 | 55 | 0 | 0 | 3 | 0 |
| | LUBBOCK | 66 | 33 | 74 | 24 | 50 | 2 | 0.00 | -0.19 | 0.00 | 0.03 | 14 | 1.61 | 126 | 81 | 23 | 0 | 3 | 0 | 0 |
| | MIDLAND | 70 | 40 | 82 | 32 | 55 | 2 | 0.00 | -0.11 | 0.00 | 0.00 | 0 | 1.89 | 162 | 83 | 23 | 0 | 1 | 0 | 0 |
| | SAN ANGELO | 69 | 42 | 81 | 29 | 56 | 1 | 0.66 | 0.47 | 0.66 | 0.86 | 366 | 5.73 | 274 | 87 | 40 | 0 | 1 | 1 | 1 |
| | SAN ANTONIO | 70 | 50 | 76 | 38 | 60 | 1 | 0.70 | 0.37 | 0.57 | 0.72 | 189 | 3.44 | 88 | 87 | 42 | 0 | 0 | 3 | 1 |
| | VICTORIA | 72 | 51 | 78 | 44 | 62 | 1 | 0.14 | -0.21 | 0.12 | 0.15 | 37 | 5.59 | 122 | 90 | 51 | 0 | 0 | 2 | 0 |
| | WACO | 66 | 43 | 72 | 32 | 54 | -1 | 0.97 | 0.47 | 0.94 | 1.56 | 272 | 11.87 | 276 | 94 | 55 | 0 | 1 | 3 | 1 |
| | WICHITA FALLS | 64 | 40 | 70 | 31 | 52 | 2 | 0.08 | -0.36 | 0.06 | 0.08 | 16 | 3.29 | 106 | 83 | 38 | 0 | 1 | 2 | 0 |
| UT | CEDAR CITY | 53 | 23 | 64 | 14 | 38 | 0 | 0.08 | -0.21 | 0.08 | 0.08 | 24 | 2.49 | 130 | 63 | 35 | 0 | 7 | 2 | 0 |
| | SALT LAKE CITY | 48 | 29 | 58 | 24 | 39 | 0 | 0.68 | 0.29 | 0.25 | 0.68 | 155 | 4.57 | 163 | 77 | 32 | 0 | 5 | 4 | 0 |
| VT | BURLINGTON | 33 | 20 | 53 | 8 | 27 | 1 | 0.99 | 0.54 | 0.63 | 0.99 | 190 | 3.86 | 98 | 82 | 56 | 0 | 7 | 5 | 1 |
| VA | NORFOLK | 58 | 44 | 78 | 35 | 51 | 6 | 0.69 | -0.16 | 0.42 | 0.69 | 70 | 5.57 | 68 | 89 | 60 | 0 | 0 | 4 | 0 |
| | RICHMOND | 59 | 39 | 76 | 31 | 49 | 5 | 1.07 | 0.24 | 0.80 | 1.14 | 119 | 6.78 | 92 | – | – | 0 | 2 | 2 | 1 |
| | ROANOKE | 62 | 40 | 74 | 35 | 51 | 7 | 1.46 | 0.68 | 1.13 | 1.52 | 171 | 7.07 | 108 | 83 | 51 | 0 | 0 | 3 | 1 |
| WA | QUILLAYUTE | 46 | 35 | 49 | 31 | 41 | -2 | 2.93 | 0.15 | 1.19 | 5.28 | 166 | 32.01 | 106 | 96 | 71 | 0 | 2 | 7 | 3 |
| | SEATTLE-TACOMA | 47 | 38 | 52 | 34 | 42 | -3 | 1.74 | 0.89 | 0.46 | 2.17 | 221 | 11.19 | 109 | 94 | 84 | 0 | 0 | 6 | 0 |
| | SPOKANE | 42 | 29 | 49 | 26 | 36 | -1 | 0.11 | -0.25 | 0.07 | 0.43 | 105 | 3.50 | 90 | 93 | 58 | 0 | 6 | 2 | 0 |
| | YAKIMA | 50 | 30 | 56 | 24 | 40 | -1 | 0.00 | -0.17 | 0.00 | 0.00 | 0 | 1.34 | 62 | 81 | 40 | 0 | 7 | 0 | 0 |
| WV | BECKLEY | 56 | 37 | 66 | 24 | 47 | 8 | 2.56 | 1.82 | 1.34 | 2.59 | 305 | 7.13 | 106 | 89 | 58 | 0 | 2 | 5 | 2 |
| | CHARLESTON | 58 | 37 | 71 | 27 | 47 | 5 | 2.81 | 1.80 | 1.57 | 5.37 | 594 | 8.64 | 126 | 84 | 55 | 0 | 1 | 5 | 3 |
| | HUNTINGTON | 54 | 37 | 65 | 27 | 46 | 5 | 2.64 | 1.87 | 1.10 | 5.77 | 656 | 9.35 | 134 | 84 | 58 | 0 | 1 | 3 | 3 |
| | PARKERSBURG | 50 | 33 | 61 | 24 | 41 | 3 | 1.48 | 0.66 | 1.21 | 3.82 | 408 | 7.40 | 109 | – | – | 0 | 4 | 2 | 1 |
| WI | GREEN BAY | 31 | 20 | 35 | 8 | 26 | 0 | 0.08 | -0.33 | 0.05 | 0.16 | 38 | 2.76 | 105 | 88 | 60 | 0 | 7 | 2 | 0 |
| | LACROSSE | 34 | 19 | 46 | 12 | 27 | -1 | 0.00 | -0.35 | 0.00 | 0.05 | 14 | 3.01 | 137 | – | – | 0 | 7 | - | - |
| | MADISON | 35 | 22 | 39 | 13 | 28 | 0 | 0.00 | -0.39 | 0.00 | 0.09 | 20 | 3.52 | 133 | 85 | 55 | 0 | 7 | 0 | 0 |
| | MILWAUKEE | 36 | 26 | 39 | 17 | 31 | 2 | 0.02 | -0.48 | 0.02 | 0.10 | 18 | 4.07 | 113 | – | – | 0 | 6 | 1 | 0 |
| | WAUSAU | 32 | 16 | 37 | 5 | 24 | 0 | 0.06 | -0.30 | 0.04 | 0.23 | 56 | 2.65 | 120 | – | – | 0 | 7 | 2 | 0 |
| WY | CASPER | 39 | 21 | 51 | 10 | 30 | -1 | 0.28 | 0.11 | 0.15 | 0.28 | 140 | 1.39 | 105 | 76 | 45 | 0 | 7 | 3 | 0 |
| | CHEYENNE | 43 | 22 | 57 | 11 | 32 | 1 | 0.11 | -0.08 | 0.11 | 0.11 | 52 | 0.82 | 83 | 72 | 29 | 0 | 7 | 1 | 0 |
| | LANDER | 39 | 17 | 48 | 7 | 28 | -3 | 0.25 | 0.08 | 0.25 | 0.25 | 114 | 0.84 | 68 | 74 | 48 | 0 | 7 | 1 | 0 |
| | SHERIDAN | 39 | 21 | 48 | 15 | 30 | -1 | 0.11 | -0.08 | 0.02 | 0.11 | 55 | 1.01 | 64 | 80 | 48 | 0 | 7 | 2 | 0 |
| PR | SAN JUAN | 81 | 71 | 81 | 70 | 76 | -2 | 1.01 | 0.54 | – | 1.01 | 180 | 9.60 | 119 | 90 | 73 | 0 | 0 | - | - |

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

# National Weather Data for Selected Cities

## Weather Data for the Week Ending March 15, 1997

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | TEMP, °F | | PRECIP. | |
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .05 INCH OR MORE |
| AL | BIRMINGHAM | 72 | 48 | 80 | 33 | 60 | 7 | 0.67 | -0.76 | 0.42 | 2.39 | 80 | 13.51 | 105 | – | – | 0 | 0 | 3 | 0 |
| | MOBILE | 75 | 60 | 84 | 47 | 68 | 8 | 3.39 | 1.90 | 3.39 | 3.54 | 111 | 14.09 | 105 | 98 | 46 | 0 | 0 | 1 | 1 |
| | MONTGOMERY | 76 | 52 | 81 | 44 | 64 | 9 | 0.61 | -0.85 | 0.57 | 0.89 | 29 | 13.85 | 104 | 89 | 41 | 0 | 0 | 3 | 1 |
| AK | ANCHORAGE | 33 | 17 | 40 | 11 | 25 | 1 | 0.00 | -0.17 | 0.00 | 0.08 | 23 | 0.71 | 37 | 67 | 49 | 0 | 7 | 0 | 0 |
| | BARROW | 12 | -3 | 26 | -19 | 5 | 21 | 0.03 | 0.00 | 0.01 | 0.03 | 50 | 0.11 | 38 | 88 | 81 | 0 | 7 | 3 | 0 |
| | FAIRBANKS | 19 | -11 | 28 | -23 | 4 | -4 | 0.01 | -0.07 | 0.01 | 0.02 | 11 | 0.61 | 56 | 81 | 48 | 0 | 7 | 1 | 0 |
| | JUNEAU | 35 | 22 | 41 | 16 | 28 | -4 | – | – | – | – | – | – | – | – | – | 0 | 7 | - | - |
| | KODIAK | 38 | 28 | 44 | 21 | 32 | 0 | 0.17 | -0.69 | 0.10 | 0.58 | 24 | 17.48 | 117 | 65 | 45 | 0 | 7 | 2 | 0 |
| | NOME | 16 | -4 | 32 | -14 | 6 | -2 | 0.00 | -0.11 | 0.00 | 0.15 | 62 | 2.04 | 125 | 81 | 65 | 0 | 7 | 0 | 0 |
| AZ | PHOENIX | 68 | 58 | 91 | 51 | 73 | 12 | 0.00 | -0.22 | 0.00 | 0.00 | 0 | 1.48 | 80 | 49 | 13 | 2 | 0 | 0 | 0 |
| | PRESCOTT | 71 | 33 | 73 | 30 | 52 | 10 | 0.00 | -0.44 | 0.00 | 0.00 | 0 | 3.06 | 76 | – | – | 0 | 5 | 0 | 0 |
| | TUCSON | 85 | 51 | 86 | 45 | 68 | 10 | 0.00 | -0.17 | 0.00 | 0.00 | 0 | 1.81 | 85 | 43 | 11 | 0 | 0 | 0 | 0 |
| | YUMA | 91 | 60 | 94 | 55 | 75 | 11 | 0.00 | -0.06 | 0.00 | 0.00 | 0 | 0.47 | 69 | – | – | 5 | 0 | 0 | 0 |
| AR | FORT SMITH | 64 | 42 | 77 | 30 | 53 | 3 | 1.94 | 1.05 | 0.84 | 3.22 | 176 | 10.28 | 162 | 89 | 53 | 0 | 1 | 3 | 2 |
| | LITTLE ROCK | 64 | 45 | 75 | 30 | 55 | 3 | 1.73 | 0.85 | 1.12 | 6.88 | 297 | 14.15 | 156 | – | – | 0 | 1 | 3 | 1 |
| CA | BAKERSFIELD | 74 | 45 | 79 | 42 | 60 | 3 | 0.00 | -0.25 | 0.00 | 0.00 | 0 | 2.78 | 113 | 87 | 10 | 0 | 0 | 0 | 0 |
| | EUREKA | 61 | 37 | 91 | 33 | 49 | 0 | 0.16 | -1.10 | 0.09 | 1.93 | 72 | 13.31 | 99 | 86 | 33 | 1 | 0 | 4 | 0 |
| | FRESNO | 73 | 46 | 78 | 40 | 59 | 5 | 0.00 | -0.44 | 0.00 | 0.00 | 0 | 3.39 | 72 | 91 | 10 | 0 | 0 | 0 | 0 |
| | LOS ANGELES | 70 | 53 | 87 | 50 | 61 | 4 | 0.15 | -0.33 | 0.10 | 0.15 | 14 | 4.36 | 73 | 88 | 36 | 0 | 0 | 3 | 0 |
| | REDDING | 71 | 43 | 76 | 38 | 57 | 6 | 0.14 | -0.90 | 0.00 | 0.82 | 36 | 10.53 | 82 | – | – | 0 | 0 | 2 | 0 |
| | SACRAMENTO | 72 | 43 | 79 | 37 | 58 | 4 | 0.00 | -0.62 | 0.00 | 0.08 | 4 | 8.00 | 103 | – | – | 0 | 0 | 0 | 0 |
| | SAN DIEGO | 71 | 54 | 85 | 51 | 63 | 3 | 0.00 | -0.41 | 0.00 | 0.00 | 0 | 3.27 | 77 | 83 | 29 | 0 | 0 | 0 | 0 |
| | SAN FRANCISCO | 65 | 48 | 71 | 43 | 56 | 3 | 0.00 | -0.73 | 0.00 | 0.11 | 7 | 7.91 | 87 | 84 | 42 | 0 | 0 | 0 | 0 |
| CO | DENVER | 56 | 23 | 75 | 8 | 40 | 2 | 0.09 | -0.19 | 0.06 | 0.10 | 19 | 0.78 | 48 | – | – | 0 | 5 | 2 | 0 |
| | GRAND JUNCTION | 64 | 29 | 71 | 20 | 46 | 4 | 0.00 | -0.20 | 0.00 | 0.08 | 14 | 0.77 | 52 | 66 | 20 | 0 | 3 | 0 | 0 |
| | PUEBLO | 60 | 22 | 78 | 14 | 41 | 0 | 0.00 | -0.17 | 0.00 | 0.23 | 70 | 0.82 | 86 | 68 | 20 | 0 | 7 | 0 | 0 |
| CT | BRIDGEPORT | 44 | 27 | 51 | 22 | 36 | -2 | 1.68 | 0.84 | 1.28 | 2.20 | 125 | 7.30 | 91 | – | – | 0 | 7 | 2 | 1 |
| | HARTFORD | 39 | 23 | 48 | 18 | 31 | -5 | 1.00 | 0.19 | 0.59 | 1.85 | 96 | 6.23 | 75 | 76 | 38 | 0 | 7 | 3 | 1 |
| DC | WASHINGTON | 55 | 36 | 67 | 33 | 46 | 0 | 0.60 | -0.12 | 0.40 | 2.41 | 158 | 7.41 | 106 | 69 | 31 | 0 | 0 | 4 | 0 |
| FL | PANAMA CITY | 78 | 59 | 84 | 52 | 68 | 10 | – | – | – | – | – | – | – | – | – | 0 | 0 | - | - |
| | DAYTONA BEACH | 78 | 60 | 86 | 54 | 69 | 6 | 1.10 | 0.42 | 1.00 | 1.11 | 74 | 3.59 | 49 | – | – | 0 | 0 | 2 | 1 |
| | JACKSONVILLE | 79 | 55 | 84 | 50 | 67 | 5 | 0.56 | -0.29 | 0.39 | 0.56 | 30 | 4.73 | 53 | 96 | 51 | 0 | 0 | 2 | 0 |
| | KEY WEST | 82 | 71 | 83 | 63 | 76 | 3 | 0.63 | 0.24 | 0.60 | 1.22 | 145 | 5.56 | 119 | 87 | 66 | 0 | 0 | 3 | 1 |
| | MIAMI | 83 | 69 | 85 | 63 | 76 | 5 | 1.35 | 0.81 | 1.31 | 1.48 | 130 | 4.71 | 90 | 85 | 58 | 0 | 0 | 4 | 1 |
| | ORLANDO | 81 | 62 | 86 | 58 | 71 | 5 | 2.40 | 1.63 | 1.23 | 2.40 | 143 | 5.91 | 84 | 93 | 56 | 0 | 0 | 3 | 3 |
| | TALLAHASSEE | 80 | 53 | 84 | 46 | 67 | 7 | 0.56 | -0.91 | 0.56 | 0.60 | 19 | 10.02 | 74 | 93 | 44 | 0 | 0 | 1 | 1 |
| | TAMPA | 82 | 66 | 88 | 61 | 74 | 8 | 0.52 | -0.22 | 0.41 | 0.52 | 32 | 2.14 | 32 | 92 | 67 | 0 | 0 | 2 | 0 |
| | WEST PALM BEACH | 81 | 66 | 83 | 62 | 73 | 3 | 1.88 | 1.00 | 1.33 | 2.11 | 144 | 10.81 | 158 | 89 | 63 | 0 | 0 | 3 | 1 |
| GA | ATLANTA | 72 | 52 | 78 | 35 | 62 | 10 | 1.06 | -0.28 | 0.98 | 1.40 | 49 | 14.04 | 113 | 79 | 49 | 0 | 0 | 2 | 1 |
| | AUGUSTA | 76 | 47 | 83 | 37 | 62 | 7 | 1.28 | 0.20 | 1.11 | 1.32 | 57 | 9.82 | 92 | 92 | 42 | 0 | 0 | 2 | 1 |
| | MACON | 76 | 51 | 81 | 42 | 63 | 7 | 0.44 | -0.68 | 0.31 | 0.51 | 21 | 10.98 | 94 | 90 | 41 | 0 | 0 | 2 | 0 |
| | SAVANNAH | 77 | 54 | 82 | 47 | 65 | 7 | 0.48 | -0.39 | 0.24 | 0.79 | 43 | 8.18 | 71 | 95 | 50 | 0 | 0 | 3 | 0 |
| HI | HILO | 82 | 66 | 86 | 63 | 74 | 2 | 3.23 | 0.17 | 1.54 | 9.48 | 150 | 19.65 | 74 | 92 | 72 | 0 | 0 | 5 | 2 |
| | HONOLULU | 83 | 70 | 86 | 67 | 76 | 2 | 0.87 | 0.35 | – | 1.13 | 104 | 9.00 | 131 | 86 | 66 | 0 | 0 | - | - |
| | KAHULUI | 83 | 65 | 86 | 62 | 74 | 1 | – | – | – | – | – | – | – | 90 | 67 | 0 | 0 | - | - |
| | LIHUE | 79 | 69 | 79 | 64 | 75 | 2 | – | – | – | – | – | – | – | 87 | 71 | 0 | 0 | - | - |
| ID | BOISE | 54 | 31 | 66 | 22 | 43 | 1 | 0.01 | -0.28 | 0.01 | 0.16 | 26 | 3.03 | 97 | 67 | 32 | 0 | 3 | 1 | 0 |
| | LEWISTON | 48 | 32 | 52 | 28 | 39 | -5 | 1.18 | 0.93 | 0.37 | 1.37 | 269 | 5.01 | 186 | – | – | 0 | 4 | 5 | 0 |
| | POCATELLO | 49 | 28 | 63 | 20 | 39 | 4 | 0.01 | -0.27 | 0.01 | 0.26 | 45 | 2.23 | 86 | 67 | 32 | 0 | 4 | 1 | 0 |
| IL | CHICAGO | 41 | 26 | 57 | 13 | 33 | -2 | 0.30 | -0.27 | 0.13 | 0.42 | 38 | 6.20 | 154 | 86 | 53 | 0 | 6 | 3 | 0 |
| | MOLINE | 46 | 25 | 61 | 10 | 36 | 0 | – | – | – | – | – | – | – | – | – | 0 | 6 | - | - |
| | PEORIA | 46 | 27 | 57 | 13 | 37 | 0 | 0.28 | -0.34 | 0.25 | 0.39 | 32 | 6.66 | 159 | 83 | 44 | 0 | 4 | 3 | 0 |
| | QUINCY | 48 | 30 | 57 | 15 | 39 | 0 | – | – | – | – | – | – | – | – | – | 0 | 3 | - | - |
| | ROCKFORD | 40 | 25 | 56 | 8 | 33 | -1 | 0.49 | -0.02 | 0.40 | 0.57 | 57 | 4.53 | 132 | – | – | 0 | 7 | 3 | 0 |
| | SPRINGFIELD | 49 | 28 | 57 | 15 | 38 | -1 | 1.38 | 0.65 | 0.72 | 1.70 | 119 | 5.79 | 123 | – | – | 0 | 6 | 2 | 2 |
| IN | EVANSVILLE | 56 | 35 | 65 | 24 | 46 | 1 | 1.87 | 0.80 | 0.90 | 4.48 | 201 | 11.44 | 143 | 89 | 47 | 0 | 3 | 3 | 2 |
| | FORT WAYNE | 42 | 27 | 51 | 19 | 34 | -2 | 1.90 | 1.35 | 0.87 | 2.22 | 171 | 7.97 | 157 | 87 | 60 | 0 | 7 | 3 | 2 |
| | INDIANAPOLIS | 49 | 30 | 56 | 19 | 39 | -1 | 2.10 | 1.25 | 1.05 | 2.90 | 166 | 10.31 | 158 | 83 | 48 | 0 | 4 | 3 | 2 |
| | SOUTH BEND | 40 | 25 | 53 | 18 | 33 | -3 | 0.71 | 0.04 | 0.31 | 0.82 | 61 | 5.63 | 103 | – | – | 0 | 7 | 3 | 0 |
| IA | DES MOINES | 45 | 26 | 61 | 10 | 36 | 0 | 0.60 | 0.15 | 0.56 | 0.64 | 74 | 1.58 | 55 | 86 | 43 | 0 | 6 | 2 | 1 |
| | SIOUX CITY | 42 | 24 | 64 | 9 | 33 | -1 | 0.03 | -0.40 | 0.02 | 0.26 | 31 | 1.20 | 57 | 87 | 48 | 0 | 7 | 2 | 0 |
| | WATERLOO | 38 | 24 | 55 | 6 | 31 | -1 | 1.03 | 0.54 | 0.70 | 1.03 | 107 | 2.78 | 98 | – | – | 0 | 6 | 3 | 1 |
| KS | CONCORDIA | 56 | 28 | 79 | 13 | 42 | 2 | 0.09 | -0.40 | 0.05 | 0.11 | 11 | 1.65 | 72 | 82 | 34 | 0 | 3 | 2 | 0 |
| | DODGE CITY | 59 | 27 | 78 | 14 | 43 | 1 | 0.00 | -0.33 | 0.00 | 0.00 | 0 | 1.22 | 69 | 76 | 30 | 0 | 4 | 0 | 0 |
| | GOODLAND | 53 | 22 | 74 | 11 | 38 | 0 | 0.00 | -0.27 | 0.00 | 0.00 | 0 | 0.63 | 48 | 71 | 29 | 0 | 7 | 0 | 0 |
| | TOPEKA | 57 | 30 | 75 | 18 | 44 | 2 | 0.01 | -0.52 | 0.01 | 0.13 | 12 | 3.00 | 98 | 79 | 34 | 0 | 3 | 1 | 0 |
| | WICHITA | 59 | 29 | 73 | 20 | 44 | -1 | 0.02 | -0.55 | 0.02 | 0.11 | 10 | 2.63 | 84 | 81 | 36 | 0 | 5 | 1 | 0 |
| KY | BOWLING GREEN | 62 | 37 | 73 | 25 | 49 | 3 | – | – | – | – | – | – | – | – | – | 0 | 2 | - | - |
| | LEXINGTON | 55 | 34 | 64 | 22 | 45 | 0 | 1.38 | 0.38 | 0.75 | 9.90 | 474 | 17.90 | 219 | 82 | 37 | 0 | 2 | 3 | 1 |
| | LOUISVILLE | 58 | 38 | 69 | 27 | 48 | 3 | 1.15 | 0.09 | 0.55 | 9.38 | 428 | 18.04 | 216 | 87 | 42 | 0 | 2 | 3 | 1 |
| LA | BATON ROUGE | 74 | 57 | 78 | 48 | 65 | 5 | 0.96 | -0.11 | 0.94 | 1.29 | 55 | 14.93 | 117 | – | – | 0 | 0 | 2 | 1 |
| | LAKE CHARLES | 74 | 61 | 80 | 50 | 68 | 8 | 0.99 | 0.24 | 0.83 | 1.05 | 64 | 14.32 | 147 | 96 | 65 | 0 | 0 | 5 | 1 |
| | NEW ORLEANS | 75 | 62 | 79 | 55 | 68 | 8 | 1.00 | -0.13 | 0.94 | 1.13 | 45 | 13.68 | 101 | 91 | 49 | 0 | 0 | 4 | 1 |
| | SHREVEPORT | 68 | 54 | 79 | 39 | 61 | 5 | 3.15 | 2.23 | 1.57 | 6.68 | 336 | 19.25 | 186 | 91 | 63 | 0 | 0 | 4 | 2 |

Based on 1961-90 normals

## Weather Data for the Week Ending March 15, 1997

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | TEMP, °F | | PRECIP. | |
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL IN, SINCE Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .05 INCH OR MORE |
| ME | CARIBOU | 24 | 2 | 32 | -9 | 13 | -10 | 0.55 | 0.00 | 0.21 | 1.84 | 161 | 7.67 | 140 | 81 | 54 | 0 | 7 | 4 | 0 |
| | PORTLAND | 34 | 17 | 40 | 9 | 26 | -6 | 1.08 | 0.27 | 0.83 | 1.99 | 116 | 7.02 | 82 | 83 | 43 | 0 | 7 | 4 | 1 |
| MD | BALTIMORE | 52 | 32 | 63 | 27 | 42 | -1 | – | – | – | – | – | – | – | – | – | 0 | 5 | - | - |
| | SALISBURY | 55 | 33 | 66 | 30 | 44 | 0 | – | – | – | – | – | – | – | – | – | 0 | 3 | - | - |
| MA | BOSTON | 37 | 24 | 46 | 17 | 30 | -7 | 1.48 | 0.83 | 1.00 | 2.13 | 120 | 5.63 | 83 | 81 | 41 | 0 | 7 | 5 | 1 |
| | WORCESTER | 33 | 18 | 41 | 11 | 26 | -7 | 1.01 | 0.12 | 0.78 | 1.82 | 97 | 6.89 | 76 | – | – | 0 | 7 | 4 | 1 |
| MI | ALPENA | 29 | 12 | 39 | 3 | 21 | -6 | 1.29 | 0.83 | 1.06 | 1.86 | 196 | 8.00 | 206 | 89 | 51 | 0 | 7 | 4 | 1 |
| | DETROIT | 39 | 25 | 49 | 17 | 32 | -2 | 1.88 | 1.32 | 1.41 | 2.19 | 192 | 7.82 | 169 | 80 | 45 | 0 | 7 | 4 | 1 |
| | FLINT | 35 | 23 | 46 | 15 | 29 | -4 | 0.49 | 0.03 | 0.16 | 0.82 | 67 | 5.58 | 156 | 86 | 58 | 0 | 7 | 5 | 0 |
| | GRAND RAPIDS | 36 | 24 | 49 | 16 | 30 | -3 | 0.29 | -0.27 | 0.12 | 0.57 | 51 | 7.31 | 167 | 88 | 57 | 0 | 7 | 4 | 0 |
| | HOUGHTON LAKE | 29 | 15 | 37 | 5 | 22 | -5 | 0.41 | -0.03 | 0.19 | 0.76 | 84 | 5.03 | 141 | 86 | 57 | 0 | 7 | 5 | 0 |
| | LANSING | 36 | 22 | 46 | 13 | 29 | -2 | 0.83 | 0.36 | 0.34 | 1.02 | 109 | 6.09 | 169 | – | – | 0 | 7 | 4 | 0 |
| | MARQUETTE | 27 | 7 | 39 | -6 | 17 | -5 | 2.44 | 1.82 | 1.60 | 2.80 | 219 | 10.40 | 200 | 91 | 55 | 0 | 7 | 4 | 2 |
| | MUSKEGON | 35 | 23 | 46 | 17 | 29 | -3 | 0.47 | -0.08 | 0.21 | 0.61 | 55 | 5.89 | 119 | – | – | 0 | 6 | 3 | 0 |
| | SAULT ST. MARIE | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | - | - | - | - |
| MN | ALEXANDRIA | 25 | 10 | 38 | -14 | 17 | -7 | – | – | – | – | – | – | – | – | – | 0 | 7 | - | - |
| | DULUTH | 25 | 11 | 37 | -8 | 18 | -5 | 0.07 | -0.35 | 0.06 | 0.31 | 38 | 1.81 | 64 | 87 | 48 | 0 | 7 | 2 | 0 |
| | INT'L FALLS | 22 | -1 | 32 | -19 | 11 | -9 | – | – | – | – | – | – | – | 81 | 46 | 0 | 7 | - | - |
| | MINNEAPOLIS | 31 | 19 | 42 | -3 | 25 | -4 | 0.40 | -0.02 | 0.24 | 0.90 | 109 | 2.72 | 102 | 81 | 58 | 0 | 7 | 4 | 0 |
| | ROCHESTER | 30 | 18 | 44 | -10 | 24 | -4 | 1.16 | 0.79 | 0.87 | 1.21 | 166 | 3.65 | 163 | – | – | 0 | 7 | 4 | 1 |
| MS | GREENWOOD | 69 | 51 | 78 | 36 | 60 | 6 | – | – | – | – | – | – | – | – | – | 0 | 0 | - | - |
| | JACKSON | 70 | 52 | 77 | 40 | 61 | 7 | 0.79 | -0.56 | 0.72 | 1.36 | 48 | 12.55 | 96 | 92 | 59 | 0 | 0 | 3 | 1 |
| | MERIDIAN | 72 | 51 | 79 | 41 | 61 | 6 | 1.44 | -0.10 | 0.87 | 2.35 | 71 | 12.93 | 93 | 96 | 47 | 0 | 0 | 3 | 1 |
| MO | CAPE GIRARDEAU | 54 | 37 | 70 | 25 | 44 | -1 | 0.00 | -1.14 | 0.00 | 2.58 | 109 | 10.21 | 119 | – | – | 0 | 3 | 0 | 0 |
| | COLUMBIA | 54 | 32 | 64 | 19 | 43 | 3 | 0.72 | 0.05 | 0.36 | 0.84 | 61 | 7.96 | 171 | 88 | 44 | 0 | 3 | 3 | 0 |
| | KANSAS CITY | 55 | 29 | 71 | 18 | 42 | 1 | 0.19 | -0.36 | 0.18 | 0.26 | 24 | 3.57 | 109 | 82 | 40 | 0 | 5 | 2 | 0 |
| | SAINT LOUIS | 53 | 33 | 62 | 21 | 43 | -1 | 1.35 | 0.55 | 0.87 | 1.50 | 91 | 8.27 | 149 | 86 | 44 | 0 | 3 | 3 | 1 |
| | SPRINGFIELD | 56 | 32 | 70 | 20 | 44 | 0 | 2.00 | 1.16 | 1.07 | 2.47 | 144 | 7.58 | 141 | 90 | 43 | 0 | 3 | 2 | 2 |
| MT | BILLINGS | 30 | 14 | 47 | -8 | 22 | -12 | 0.24 | 0.00 | 0.12 | 0.44 | 92 | 1.41 | 69 | 87 | 57 | 0 | 7 | 3 | 0 |
| | GLASGOW | 24 | 8 | 40 | -13 | 16 | -12 | 0.14 | 0.08 | 0.13 | 0.14 | 78 | 0.49 | 62 | 86 | 65 | 0 | 7 | 2 | 0 |
| | GREAT FALLS | 31 | 9 | 47 | -10 | 20 | -12 | 0.29 | 0.05 | 0.28 | 0.43 | 90 | 0.87 | 44 | 86 | 56 | 0 | 7 | 2 | 0 |
| | HAVRE | 28 | 7 | 48 | -19 | 18 | -12 | 0.05 | -0.09 | 0.05 | 0.05 | 18 | 0.25 | 21 | 88 | 55 | 0 | 7 | 1 | 0 |
| | HELENA | 37 | 18 | 55 | 3 | 28 | -6 | 0.02 | -0.14 | 0.01 | 0.05 | 16 | 0.41 | 30 | 78 | 52 | 0 | 6 | 2 | 0 |
| | KALISPELL | 31 | 15 | 39 | 0 | 23 | -10 | 0.93 | 0.71 | 0.39 | 1.32 | 275 | 4.35 | 140 | 89 | 57 | 0 | 7 | 4 | 0 |
| | MILES CITY | 35 | 15 | 50 | -6 | 25 | -6 | 0.13 | 0.01 | 0.07 | 0.13 | 54 | 0.43 | 35 | – | – | 0 | 5 | 2 | 0 |
| | MISSOULA | 35 | 22 | 41 | 10 | 28 | -6 | 1.26 | 1.04 | 0.43 | 1.48 | 316 | 3.93 | 156 | 88 | 66 | 0 | 7 | 5 | 0 |
| NE | GRAND ISLAND | 49 | 24 | 72 | 11 | 37 | 1 | 0.00 | -0.41 | 0.00 | 0.02 | 2 | 1.09 | 54 | 84 | 36 | 0 | 4 | 0 | 0 |
| | LINCOLN | 52 | 26 | 69 | 14 | 39 | 2 | 0.05 | -0.40 | 0.05 | 0.05 | 6 | 0.98 | 46 | – | – | 0 | 4 | 1 | 0 |
| | NORFOLK | 46 | 24 | 67 | 11 | 35 | 1 | 0.01 | -0.39 | 0.01 | 0.53 | 66 | 1.52 | 73 | 83 | 41 | 0 | 6 | 1 | 0 |
| | NORTH PLATTE | 47 | 20 | 73 | 8 | 34 | -1 | 0.03 | -0.22 | 0.03 | 0.03 | 6 | 0.70 | 54 | 84 | 31 | 0 | 6 | 1 | 0 |
| | OMAHA | 49 | 26 | 67 | 14 | 37 | 0 | 0.40 | -0.04 | – | 0.40 | 49 | 1.56 | 67 | 81 | 42 | 0 | 6 | - | - |
| | SCOTTSBLUFF | 48 | 18 | 76 | 3 | 33 | -2 | 0.15 | -0.08 | 0.08 | 0.15 | 33 | 0.78 | 56 | – | – | 0 | 6 | 2 | 0 |
| | VALENTINE | 43 | 18 | 61 | 4 | 31 | -1 | 0.00 | -0.22 | 0.00 | 0.00 | 0 | 0.51 | 46 | – | – | 0 | 6 | 0 | 0 |
| NV | ELY | 60 | 25 | 63 | 21 | 43 | 9 | 0.00 | -0.22 | 0.00 | 0.00 | 0 | 1.89 | 103 | 60 | 17 | 0 | 7 | 0 | 0 |
| | LAS VEGAS | 80 | 51 | 83 | 47 | 66 | 10 | 0.00 | -0.11 | 0.00 | 0.00 | 0 | 0.20 | 17 | 37 | 9 | 0 | 0 | 0 | 0 |
| | RENO | 66 | 28 | 74 | 25 | 47 | 5 | 0.00 | -0.17 | 0.00 | 0.00 | 0 | 4.02 | 162 | 80 | 22 | 0 | 6 | 0 | 0 |
| | WINNEMUCCA | 63 | 27 | 70 | 16 | 45 | 6 | 0.00 | -0.17 | 0.00 | 0.00 | 0 | 1.85 | 96 | 60 | 18 | 0 | 5 | 0 | 0 |
| NH | CONCORD | 33 | 15 | 42 | 1 | 24 | -7 | 0.90 | 0.29 | 0.58 | 1.40 | 108 | 6.84 | 108 | – | – | 0 | 7 | 3 | 1 |
| NJ | ATLANTIC CITY | 50 | 28 | 61 | 24 | 39 | -1 | 1.82 | 0.81 | 1.08 | 3.61 | 212 | 9.91 | 120 | 79 | 37 | 0 | 5 | 4 | 1 |
| NM | ALBUQUERQUE | 70 | 38 | 74 | 35 | 54 | 8 | 0.00 | -0.11 | 0.00 | 0.00 | 0 | 0.67 | 60 | 49 | 8 | 0 | 0 | 0 | 0 |
| | CLOVIS | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | - | - | - | - |
| | ROSWELL | 71 | 36 | 84 | 30 | 53 | 2 | – | – | – | – | – | – | – | – | – | 0 | 2 | - | - |
| NY | ALBANY | 36 | 20 | 45 | 13 | 28 | -5 | 0.53 | -0.13 | 0.40 | 1.27 | 93 | 3.63 | 80 | 85 | 44 | 0 | 7 | 3 | 0 |
| | BINGHAMTON | 36 | 18 | 45 | 12 | 27 | -4 | 0.56 | -0.07 | 0.48 | 1.78 | 136 | 4.65 | 77 | 87 | 40 | 0 | 7 | 4 | 0 |
| | BUFFALO | 37 | 22 | 45 | 10 | 29 | -3 | 1.46 | 0.86 | 1.21 | 2.72 | 216 | 9.93 | 158 | 85 | 51 | 0 | 6 | 4 | 1 |
| | NEW YORK | 46 | 30 | 53 | 26 | 38 | -2 | 1.55 | 0.75 | 1.11 | 2.38 | 141 | 8.75 | 116 | 76 | 30 | 0 | 5 | 2 | 1 |
| | ROCHESTER | 36 | 21 | 45 | 13 | 29 | -4 | 1.06 | 0.56 | 0.91 | 2.14 | 200 | 6.66 | 127 | – | – | 0 | 7 | 6 | 1 |
| | SYRACUSE | 37 | 20 | 45 | 7 | 29 | -4 | 1.09 | 0.46 | 0.96 | 1.90 | 152 | 5.33 | 93 | 80 | 44 | 0 | 6 | 4 | 1 |
| NC | ASHEVILLE | 62 | 38 | 70 | 30 | 50 | 3 | 1.89 | 0.57 | 1.42 | 3.06 | 109 | 12.70 | 114 | – | – | 0 | 2 | 3 | 1 |
| | CHARLOTTE | 71 | 49 | 80 | 40 | 60 | 10 | 0.66 | -0.37 | 0.60 | 1.63 | 73 | 8.99 | 92 | 77 | 40 | 0 | 0 | 2 | 1 |
| | GREENSBORO | 65 | 43 | 74 | 36 | 54 | 6 | 0.52 | -0.33 | 0.42 | 2.05 | 112 | 7.83 | 94 | 78 | 44 | 0 | 0 | 4 | 0 |
| | HATTERAS | 60 | 48 | 65 | 41 | 53 | 2 | 4.20 | 3.21 | 4.17 | 4.28 | 202 | 11.77 | 102 | 68 | 43 | 0 | 0 | 3 | 1 |
| | NEW BERN | 68 | 50 | 79 | 43 | 59 | 7 | 1.46 | 0.55 | 1.44 | 1.81 | 91 | 9.01 | 86 | – | – | 0 | 0 | 2 | 1 |
| | RALEIGH | 66 | 41 | 76 | 33 | 53 | 4 | 0.82 | -0.07 | 0.79 | 1.42 | 74 | 7.37 | 81 | 86 | 37 | 0 | 0 | 2 | 1 |
| | WILMINGTON | 68 | 48 | 80 | 39 | 58 | 6 | 0.46 | -0.56 | 0.40 | 0.48 | 21 | 7.33 | 85 | – | – | 0 | 0 | 2 | 0 |
| ND | BISMARCK | 24 | 8 | 44 | -20 | 16 | -10 | 0.49 | 0.34 | 0.42 | 0.51 | 176 | 1.92 | 161 | 81 | 61 | 0 | 7 | 3 | 0 |
| | FARGO | 23 | 2 | 38 | -18 | 12 | -11 | 0.04 | -0.17 | 0.03 | 0.40 | 98 | 1.03 | 66 | 84 | 60 | 0 | 7 | 2 | 0 |
| | GRAND FORKS | 22 | 0 | 36 | -15 | 11 | -11 | 0.17 | -0.09 | 0.10 | 0.35 | 87 | 1.24 | 78 | – | – | 0 | 7 | 2 | 0 |
| | WILLISTON | 22 | 5 | 39 | -21 | 13 | -13 | 0.40 | 0.26 | 0.24 | 0.72 | 267 | 1.15 | 92 | 86 | 64 | 0 | 7 | 4 | 0 |
| OH | AKRON-CANTON | 43 | 25 | 53 | 20 | 34 | -3 | 0.62 | -0.13 | 0.39 | 1.26 | 81 | 4.26 | 72 | 81 | 43 | 0 | 7 | 2 | 0 |
| | CINCINNATI | 52 | 30 | 60 | 19 | 41 | -1 | 1.39 | 0.43 | 0.67 | 3.86 | 194 | 8.37 | 116 | 82 | 39 | 0 | 4 | 3 | 2 |
| | CLEVELAND | 43 | 28 | 54 | 22 | 35 | -1 | 0.99 | 0.34 | 0.45 | 2.21 | 165 | 6.91 | 124 | 89 | 49 | 0 | 7 | 5 | 0 |
| | COLUMBUS | 49 | 29 | 56 | 23 | 39 | -1 | 1.37 | 0.64 | 0.61 | 2.77 | 182 | 6.39 | 108 | 78 | 44 | 0 | 6 | 3 | 1 |
| | DAYTON | 48 | 28 | 57 | 20 | 38 | -1 | 1.31 | 0.55 | 0.66 | 2.62 | 168 | 6.71 | 115 | 87 | 53 | 0 | 5 | 3 | 2 |

**Based on 1961-90 normals**

## Weather Data for the Week Ending March 15, 1997

| STATES AND STATIONS | | TEMPERATURE °F | | | | | | PRECIPITATION | | | | | | | RELATIVE HUMIDITY, PERCENT | | NUMBER OF DAYS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | TEMP, °F | | PRECIP. | |
| | | AVERAGE MAXIMUM | AVERAGE MINIMUM | EXTREME HIGH | EXTREME LOW | AVERAGE | DEPARTURE FROM NORMAL | WEEKLY TOTAL, IN. | DEPARTURE FROM NORMAL | GREATEST IN 24-HOUR, IN. | TOTAL, IN., SINCE Mar 1 | PCT. NORMAL SINCE Mar 1 | TOTAL, IN., SINCE Jan 1 | PCT. NORMAL SINCE Jan 1 | AVERAGE MAXIMUM | AVERAGE MINIMUM | 90 AND ABOVE | 32 AND BELOW | .01 INCH OR MORE | .05 INCH OR MORE |
| | TOLEDO | 41 | 26 | 50 | 17 | 33 | -1 | 0.66 | 0.27 | 0.67 | 1.20 | 100 | 7.82 | 167 | 87 | 54 | 0 | 7 | 3 | 1 |
| | YOUNGSTOWN | 42 | 23 | 53 | 20 | 32 | -2 | 1.12 | 0.42 | 0.61 | 2.10 | 147 | 3.48 | 82 | 84 | 47 | 0 | 7 | 4 | 1 |
| OK | OKLAHOMA CITY | 63 | 38 | 80 | 27 | 51 | 2 | 0.00 | -0.61 | 0.00 | 0.00 | 0 | 2.61 | 66 | 77 | 35 | 0 | 2 | 0 | 0 |
| | TULSA | 63 | 38 | 79 | 27 | 50 | 1 | 0.18 | -0.59 | 0.07 | 0.34 | 22 | 4.00 | 79 | 79 | 37 | 0 | 2 | 3 | 0 |
| OR | ASTORIA | 49 | 39 | 53 | 34 | 44 | -2 | 4.16 | 2.50 | 1.63 | 8.67 | 241 | 24.83 | 117 | 94 | 74 | 0 | 0 | 7 | 4 |
| | BURNS | 52 | 24 | 60 | 15 | 38 | 3 | 0.05 | -0.20 | 0.05 | 0.10 | 20 | 2.92 | 129 | – | – | 0 | 7 | 1 | 0 |
| | MEDFORD | 58 | 37 | 66 | 29 | 47 | 1 | 0.13 | -0.30 | 0.08 | 0.66 | 71 | 5.19 | 93 | 87 | 31 | 0 | 1 | 2 | 0 |
| | PENDLETON | 48 | 33 | 58 | 29 | 41 | -4 | 0.49 | 0.21 | 0.44 | 0.79 | 136 | 2.21 | 68 | 89 | 47 | 0 | 4 | 4 | 0 |
| | PORTLAND | 51 | 38 | 57 | 34 | 45 | -2 | 2.64 | 1.81 | 0.62 | 4.86 | 268 | 13.64 | 124 | 94 | 57 | 0 | 0 | 6 | 3 |
| | SALEM | 51 | 39 | 57 | 34 | 45 | 0 | 2.27 | 1.29 | 1.04 | 5.06 | 235 | 16.19 | 129 | – | – | 0 | 0 | 5 | 2 |
| PA | ALLENTOWN | 45 | 25 | 52 | 19 | 35 | -3 | 1.55 | 0.81 | 1.33 | 2.26 | 144 | 6.22 | 81 | 90 | 36 | 0 | 7 | 3 | 1 |
| | ERIE | 41 | 24 | 49 | 20 | 33 | -2 | 1.12 | 0.45 | 0.66 | 3.17 | 230 | 8.47 | 144 | 89 | 53 | 0 | 8 | 4 | 1 |
| | HARRISBURG | 47 | 30 | 56 | 25 | 39 | -1 | 1.48 | 0.74 | – | 2.42 | 147 | 5.89 | 79 | – | – | 0 | 5 | - | - |
| | PHILADELPHIA | 50 | 29 | 58 | 22 | 40 | -2 | 1.54 | 0.77 | 1.02 | 2.77 | 172 | 8.24 | 108 | 72 | 39 | 0 | 6 | 3 | 1 |
| | PITTSBURGH | 46 | 26 | 57 | 20 | 36 | -2 | 0.90 | 0.13 | 0.30 | 2.12 | 133 | 5.18 | 79 | 79 | 42 | 0 | 6 | 4 | 0 |
| | SCRANTON | 41 | 24 | 51 | 18 | 32 | -3 | 0.49 | -0.07 | 0.45 | 1.22 | 103 | 3.83 | 70 | 78 | 32 | 0 | 7 | 3 | 0 |
| RI | PROVIDENCE | 42 | 24 | 52 | 20 | 33 | -3 | 1.20 | 0.29 | 0.72 | 1.71 | 89 | 7.82 | 83 | 73 | 36 | 0 | 7 | 3 | 1 |
| SC | CHARLESTON | 75 | 53 | 83 | 47 | 64 | 7 | 1.04 | 0.02 | 0.87 | 1.04 | 48 | 5.93 | 67 | 91 | 45 | 0 | 0 | 2 | 1 |
| | COLUMBIA | 75 | 50 | 82 | 40 | 62 | 8 | 0.74 | -0.39 | 0.65 | 0.76 | 32 | 9.89 | 90 | 85 | 42 | 0 | 0 | 2 | 1 |
| | FLORENCE | 73 | 48 | 82 | 41 | 61 | 7 | – | – | – | – | – | – | – | – | – | 0 | 0 | - | - |
| | GREENVILLE | 70 | 48 | 79 | 36 | 59 | 8 | 0.70 | -0.55 | 0.39 | 1.46 | 56 | 12.31 | 110 | 80 | 41 | 0 | 0 | 2 | 0 |
| SD | ABERDEEN | 26 | 10 | 42 | -16 | 18 | -9 | 0.36 | 0.13 | 0.32 | 0.42 | 91 | 2.63 | 157 | 87 | 57 | 0 | 7 | 3 | 0 |
| | HURON | 30 | 17 | 42 | -3 | 23 | -7 | 0.00 | -0.36 | 0.00 | 0.14 | 20 | 1.46 | 83 | 89 | 64 | 0 | 7 | 0 | 0 |
| | RAPID CITY | 39 | 17 | 60 | 3 | 28 | -5 | 0.00 | -0.21 | 0.00 | 0.00 | 0 | 0.67 | 67 | 87 | 45 | 0 | 7 | 0 | 0 |
| | SIOUX FALLS | 31 | 19 | 43 | -1 | 25 | -6 | 0.04 | -0.30 | 0.03 | 0.09 | 14 | 1.87 | 103 | 94 | 61 | 0 | 7 | 2 | 0 |
| TN | CHATTANOOGA | 69 | 45 | 77 | 32 | 57 | 8 | 0.73 | -0.67 | 0.56 | 2.52 | 85 | 13.90 | 110 | 87 | 39 | 0 | 1 | 2 | 1 |
| | KNOXVILLE | 65 | 42 | 76 | 31 | 53 | 6 | 0.70 | -0.49 | 0.39 | 3.85 | 146 | 13.74 | 126 | 91 | 46 | 0 | 1 | 4 | 0 |
| | MEMPHIS | 66 | 47 | 75 | 31 | 56 | 4 | 1.35 | 0.14 | 0.91 | 6.18 | 243 | 18.17 | 171 | – | – | 0 | 1 | 3 | 1 |
| | NASHVILLE | 64 | 41 | 76 | 29 | 53 | 4 | 0.67 | -0.43 | 0.31 | 6.78 | 294 | 13.88 | 143 | 86 | 42 | 0 | 2 | 4 | 0 |
| TX | ABILENE | 67 | 47 | 84 | 28 | 57 | 2 | 0.02 | -0.28 | 0.02 | 0.72 | 118 | 4.30 | 154 | 89 | 48 | 0 | 1 | 1 | 0 |
| | AMARILLO | 64 | 31 | 77 | 22 | 48 | 2 | 0.00 | -0.22 | 0.00 | 0.00 | 0 | 1.10 | 71 | 83 | 28 | 0 | 4 | 0 | 0 |
| | AUSTIN | 70 | 56 | 84 | 42 | 63 | 2 | 0.58 | 0.17 | 0.54 | 0.73 | 80 | 5.70 | 119 | 92 | 58 | 0 | 0 | 3 | 1 |
| | BEAUMONT | 72 | 60 | 78 | 53 | 66 | 6 | 1.13 | 0.38 | 0.66 | 1.21 | 76 | 11.82 | 121 | – | – | 0 | 0 | 5 | 1 |
| | BROWNSVILLE | 79 | 64 | 92 | 55 | 72 | 4 | 3.12 | 3.01 | 1.97 | 3.17 | 1320 | 4.20 | 147 | 96 | 60 | 1 | 0 | 5 | 2 |
| | CORPUS CHRISTI | 75 | 60 | 84 | 50 | 68 | 3 | 2.39 | 2.19 | 1.38 | 2.53 | 516 | 3.91 | 94 | 92 | 62 | 0 | 0 | 3 | 2 |
| | DEL RIO | 72 | 57 | 87 | 43 | 64 | 2 | 2.39 | 2.27 | 1.17 | 2.40 | 923 | 4.63 | 262 | 86 | 48 | 0 | 0 | 5 | 2 |
| | EL PASO | 76 | 44 | 81 | 38 | 60 | 6 | 0.00 | -0.07 | 0.00 | 0.11 | 65 | 0.82 | 83 | 56 | 14 | 0 | 0 | 0 | 0 |
| | FORT WORTH | 66 | 49 | 77 | 33 | 57 | 3 | 0.66 | -0.01 | 0.34 | 1.53 | 110 | 9.21 | 164 | 89 | 58 | 0 | 0 | 3 | 0 |
| | GALVESTON | 70 | 61 | 76 | 54 | 66 | 5 | 2.41 | 1.91 | 2.15 | 2.48 | 234 | 9.44 | 143 | – | – | 0 | 0 | 5 | 1 |
| | HOUSTON | 74 | 60 | 83 | 50 | 67 | 7 | 4.86 | 4.22 | 4.29 | 5.16 | 363 | 13.83 | 180 | 93 | 67 | 0 | 0 | 4 | 1 |
| | LUBBOCK | 67 | 36 | 83 | 27 | 51 | 1 | 0.00 | -0.19 | 0.00 | 0.03 | 7 | 1.61 | 109 | 85 | 28 | 0 | 3 | 0 | 0 |
| | MIDLAND | 69 | 46 | 87 | 33 | 58 | 3 | 0.03 | -0.08 | 0.02 | 0.03 | 12 | 1.92 | 150 | 87 | 39 | 0 | 0 | 2 | 0 |
| | SAN ANGELO | 68 | 48 | 84 | 32 | 58 | 1 | 0.74 | 0.55 | 0.51 | 1.59 | 389 | 6.47 | 284 | 90 | 54 | 0 | 1 | 2 | 1 |
| | SAN ANTONIO | 71 | 56 | 83 | 45 | 63 | 3 | 0.76 | 0.43 | 0.74 | 1.48 | 208 | 4.20 | 99 | 90 | 57 | 0 | 0 | 2 | 1 |
| | VICTORIA | 74 | 59 | 83 | 49 | 66 | 4 | 4.27 | 3.94 | 4.15 | 4.42 | 597 | 9.86 | 201 | 93 | 63 | 0 | 0 | 3 | 1 |
| | WACO | 67 | 51 | 78 | 35 | 59 | 2 | 1.38 | 0.87 | 0.97 | 2.93 | 274 | 13.25 | 276 | 93 | 62 | 0 | 0 | 4 | 1 |
| | WICHITA FALLS | 66 | 42 | 79 | 27 | 54 | 2 | 0.03 | -0.45 | 0.03 | 0.11 | 11 | 3.32 | 93 | 86 | 43 | 0 | 2 | 1 | 0 |
| UT | CEDAR CITY | 66 | 29 | 71 | 24 | 48 | 9 | 0.00 | -0.30 | 0.00 | 0.08 | 13 | 2.49 | 113 | – | – | 0 | 6 | 0 | 0 |
| | SALT LAKE CITY | 61 | 35 | 71 | 27 | 48 | 7 | 0.00 | -0.42 | 0.00 | 0.68 | 79 | 4.57 | 142 | 69 | 19 | 0 | 3 | 0 | 0 |
| VT | BURLINGTON | 31 | 12 | 40 | -5 | 21 | -8 | 0.63 | 0.15 | 0.40 | 1.62 | 162 | 4.49 | 101 | 84 | 48 | 0 | 7 | 4 | 0 |
| VA | NORFOLK | 58 | 40 | 70 | 35 | 49 | 1 | 0.80 | -0.05 | 0.68 | 1.49 | 81 | 6.37 | 70 | 90 | 41 | 0 | 0 | 2 | 1 |
| | RICHMOND | 59 | 38 | 72 | 31 | 48 | 1 | 0.51 | -0.32 | 0.43 | 1.65 | 92 | 7.29 | 89 | 79 | 21 | 0 | 1 | 4 | 0 |
| | ROANOKE | 57 | 38 | 67 | 30 | 47 | 2 | 0.42 | -0.38 | 0.40 | 1.94 | 115 | 7.49 | 102 | 88 | 34 | 0 | 1 | 3 | 0 |
| WA | QUILLAYUTE | 48 | 33 | 54 | 29 | 40 | -3 | 3.88 | 1.19 | 1.39 | 9.16 | 156 | 35.89 | 109 | 99 | 74 | 0 | 5 | 5 | 4 |
| | SEATTLE-TACOMA | 48 | 36 | 53 | 33 | 42 | -3 | 1.91 | 1.08 | 0.93 | 4.08 | 225 | 13.11 | 117 | 98 | 62 | 0 | 0 | 5 | 2 |
| | SPOKANE | 41 | 26 | 49 | 17 | 34 | -4 | 0.49 | 0.15 | 0.23 | 0.92 | 123 | 3.99 | 96 | 89 | 53 | 0 | 6 | 3 | 0 |
| | YAKIMA | 47 | 32 | 60 | 26 | 40 | -2 | 0.35 | 0.18 | 0.21 | 0.35 | 100 | 1.69 | 73 | 83 | 48 | 0 | 4 | 2 | 0 |
| WV | BECKLEY | 53 | 30 | 60 | 22 | 42 | 1 | 0.86 | 0.09 | 0.39 | 3.45 | 213 | 7.98 | 107 | 81 | 41 | 0 | 5 | 4 | 0 |
| | CHARLESTON | 58 | 30 | 68 | 25 | 44 | 0 | 0.55 | -0.28 | 0.21 | 5.92 | 338 | 9.19 | 120 | 87 | 32 | 0 | 4 | 4 | 0 |
| | HUNTINGTON | 56 | 33 | 66 | 28 | 45 | 2 | 0.60 | -0.20 | 0.27 | 6.37 | 379 | 9.96 | 128 | 80 | 37 | 0 | 3 | 4 | 0 |
| | PARKERSBURG | 51 | 29 | 59 | 23 | 40 | -1 | 0.42 | -0.45 | 0.29 | 4.24 | 236 | 7.83 | 100 | – | – | 0 | 7 | 3 | 0 |
| WI | GREEN BAY | 30 | 16 | 39 | 2 | 24 | -4 | 1.09 | 0.65 | 0.74 | 1.25 | 140 | 3.85 | 125 | 93 | 58 | 0 | 7 | 4 | 1 |
| | LACROSSE | 35 | 22 | 54 | -2 | 29 | -2 | 2.37 | 1.98 | – | 2.42 | 310 | 5.38 | 261 | – | – | 0 | 8 | - | - |
| | MADISON | 36 | 22 | 51 | 5 | 29 | -2 | 0.67 | 0.22 | 0.60 | 0.76 | 85 | 4.19 | 135 | 90 | 53 | 0 | 7 | 4 | 1 |
| | MILWAUKEE | 37 | 26 | 55 | 12 | 32 | 0 | 0.36 | -0.21 | 0.18 | 0.46 | 41 | 4.43 | 109 | – | – | 0 | 6 | 3 | 0 |
| | WAUSAU | 31 | 18 | 41 | -1 | 24 | -3 | 0.99 | 0.59 | 0.46 | 1.22 | 149 | 3.84 | 139 | – | – | 0 | 7 | 4 | 0 |
| WY | CASPER | 47 | 18 | 64 | 2 | 33 | 0 | 0.00 | -0.20 | 0.00 | 0.26 | 72 | 1.39 | 91 | 83 | 29 | 0 | 7 | 0 | 0 |
| | CHEYENNE | 45 | 21 | 64 | 6 | 33 | 1 | 0.22 | 0.00 | 0.12 | 0.33 | 77 | 1.04 | 86 | 85 | 30 | 0 | 5 | 3 | 0 |
| | LANDER | 49 | 21 | 65 | 9 | 35 | 2 | 0.13 | -0.10 | 0.07 | 0.38 | 84 | 0.98 | 66 | 72 | 29 | 0 | 5 | 3 | 0 |
| | SHERIDAN | 36 | 15 | 47 | -4 | 25 | -7 | 0.08 | -0.12 | 0.08 | 0.19 | 49 | 1.08 | 60 | – | – | 0 | 8 | 2 | 0 |
| PR | SAN JUAN | – | – | – | – | – | – | 0.65 | 0.15 | – | 1.86 | 158 | 10.25 | 119 | – | – | - | - | - | - |

**Based on 1961-90 normals**

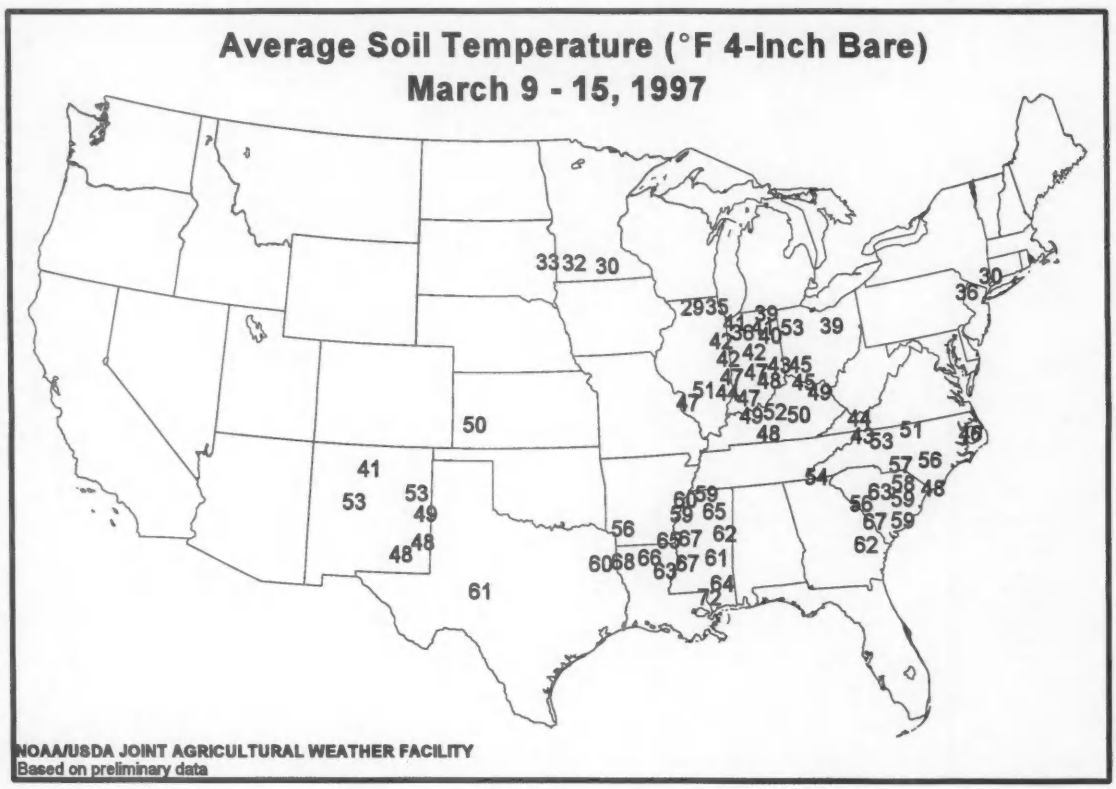
**Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.**

# National Agricultural Summary

March 10 - 16, 1997

## *HIGHLIGHTS*

The weather was colder than normal in the northern Plains. Heavy snowfall in the upper Midwest added to the expectations of record to near-record flooding in the Red River Valley from snow melt. The central Plains' temperatures cooled at week's end following several days in the 70's. Higher-than-normal temperatures were generally favorable to small grains and spring farm activities in the lower half of the country. Hard Red Winter (HRW) wheat was breaking dormancy into Kansas. The HRW areas most affected by last year's drought are again in need of moisture. Ohio River Valley flooding eased despite additional rainfall. Heavy rains curtailed fieldwork in east Texas and the lower Mississippi Valley. Welcome rains fell at week's end in many northern Florida localities.


Average Soil Temperature (°F 4-Inch Bare)
March 9 - 15, 1997
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

# International Weather and Crop Summary

March 9 - 15, 1997

## HIGHLIGHTS

**FSU-WESTERN:** Continued unseasonably mild weather induced early greening of winter grains in parts of Ukraine.

**EUROPE:** Generally dry, mild weather favored early spring planting in western and northern Europe but increased moisture stress on winter grains in Spain.

**NORTHWESTERN AFRICA:** Adverse dryness continued in Morocco, while scattered showers brought temporary relief to drought-stressed winter grains in eastern Algeria and Tunisia.

**AUSTRALIA:** Dry weather favored maturing cotton and sorghum.

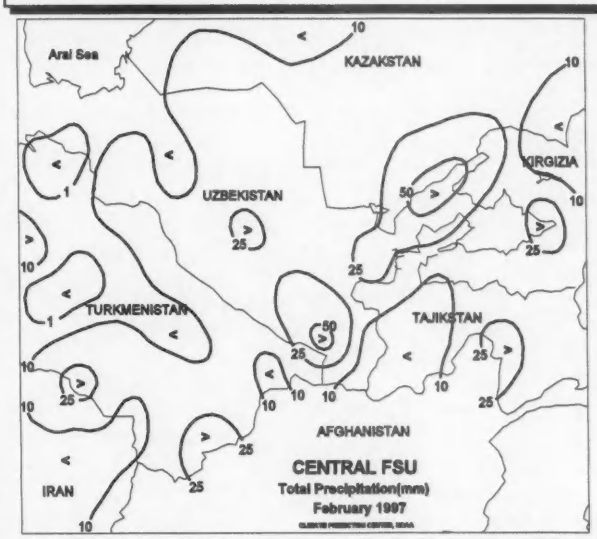
**SOUTH AFRICA:** Scattered showers kept central and northern sections of the corn belt wet for filling crops.

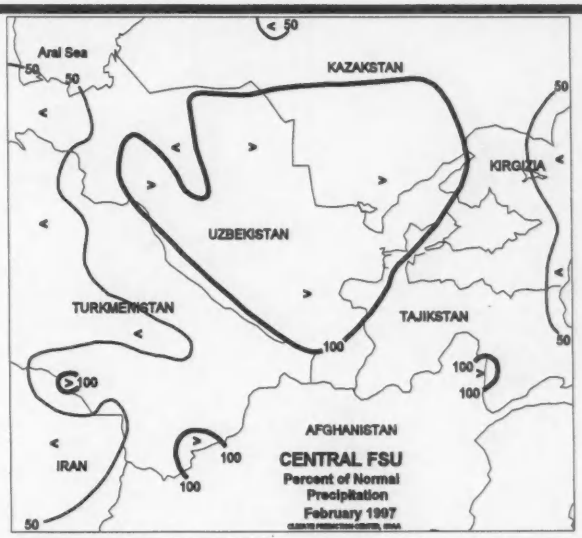
**SOUTHEAST ASIA:** Showers slowed main-season rice harvesting in Java. Hot, dry weather prevailed across Thailand, increasing irrigation demands of secondary crops.

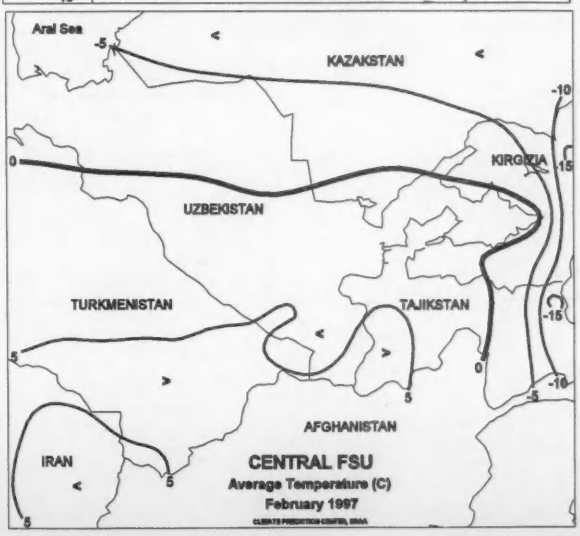
**EASTERN ASIA:** Rain covered the North China Plain, benefiting vegetative winter wheat.

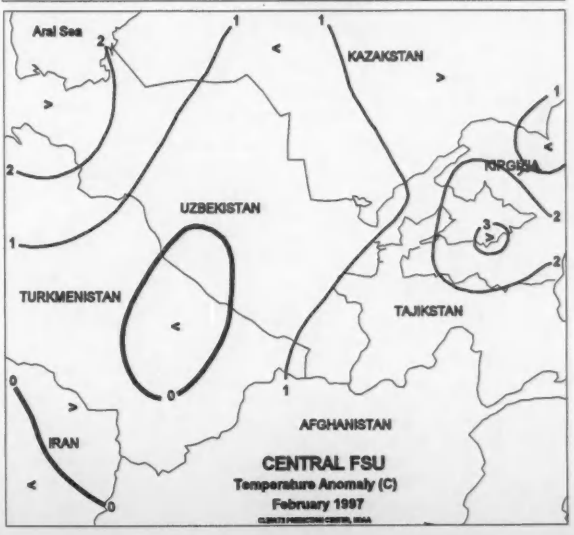
**SOUTH AMERICA:** Mostly dry weather continued to stress second-crop soybeans in Santa Fe, Argentina. Rain benefited soybeans elsewhere in Argentina. In southern Brazil, mostly dry weather favored soybean harvesting.

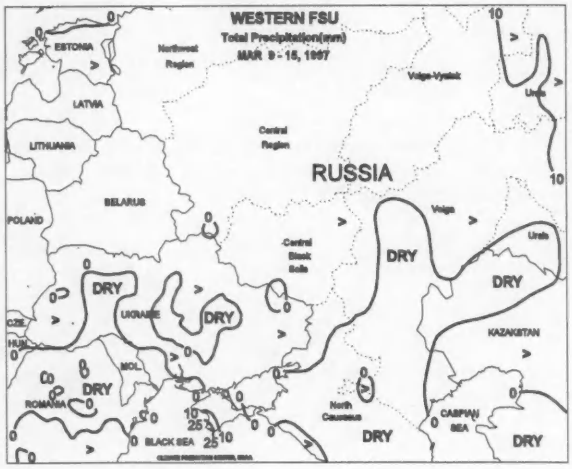
**MEXICO:** Unseasonable showers (40-70 mm, with isolated amounts greater than 200 mm) helped to increase reservoir levels in northeastern Mexico.



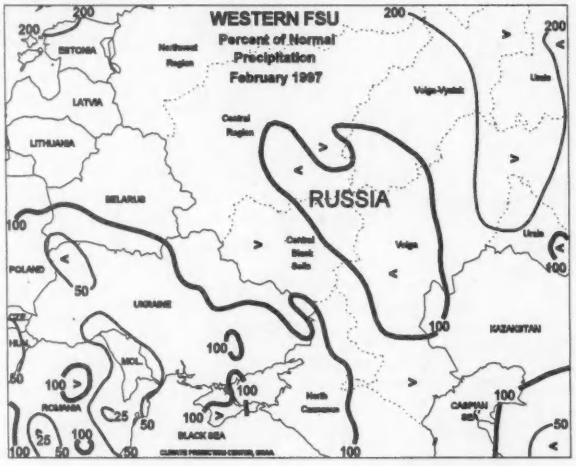



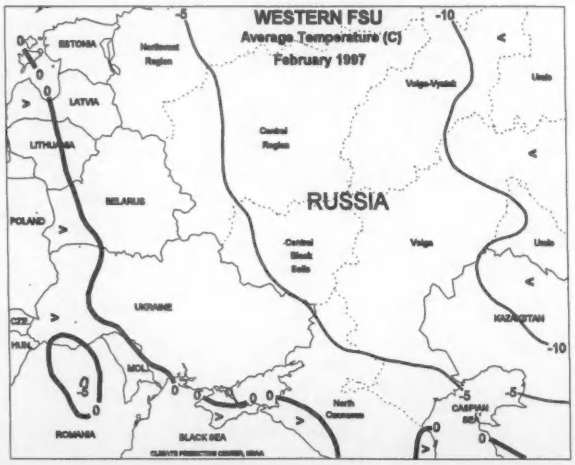



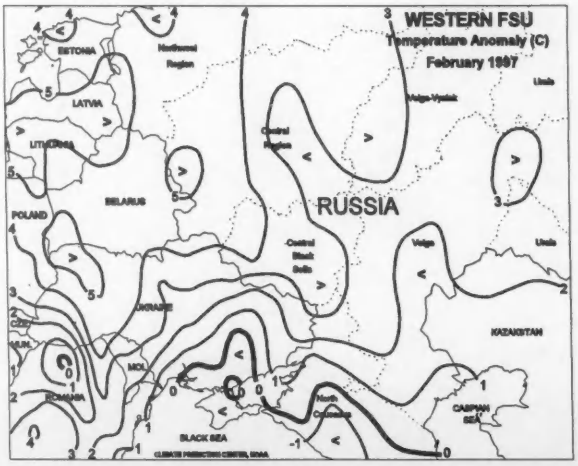


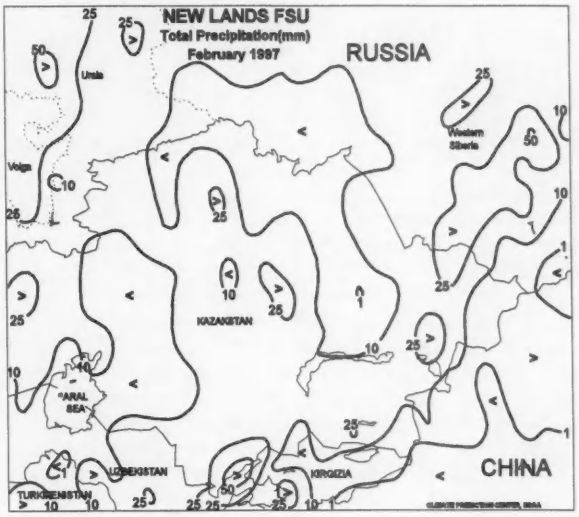

## FSU-WESTERN

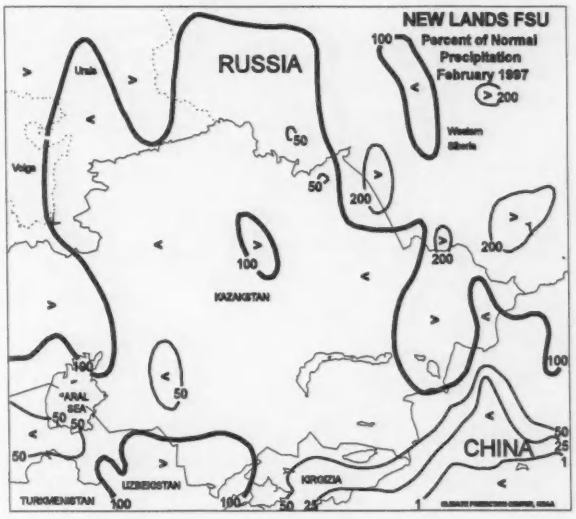
Unusually warm weather continued over the region. Weekly temperatures averaged 6 to 9 degrees C above normal over northern Russia, northern and western Ukraine, Belarus, and the Baltics. Temperatures in southern Ukraine and the North Caucasus region in Russia averaged 2 to 5 degrees C above normal. Snow cover continued to diminish. The continued mild weather in the western and southern Ukraine likely prompted greening of winter grains 2 to 3 weeks earlier than usual and warmed topsoils for spring grain planting. Little, if any, precipitation fell in most areas. In February, below-normal precipitation limited moisture recharge in most of Ukraine and parts of the North Caucasus and middle Volga Valley regions in Russia. Winter grain areas in Belarus, the Baltics, and northern Russia received above-normal precipitation. There were two episodes of unusually cold weather in February. The first episode occurred February 2-7 and the second occurred February 17-21. In both cases, snow cover provided sufficient protection from significant damage to winter grains. However, some localized damage may have occurred, especially in early February in Ukraine, where snow cover was variable. On February 22, a warming trend began spreading eastward over most areas, with temperatures rising to well above normal by month's end. The mild weather caused crops to lose cold hardiness and melted protective snow cover in western and southern areas. However, the lack of snow cover and several days of dry weather in late February provided a window of opportunity for early season fieldwork.

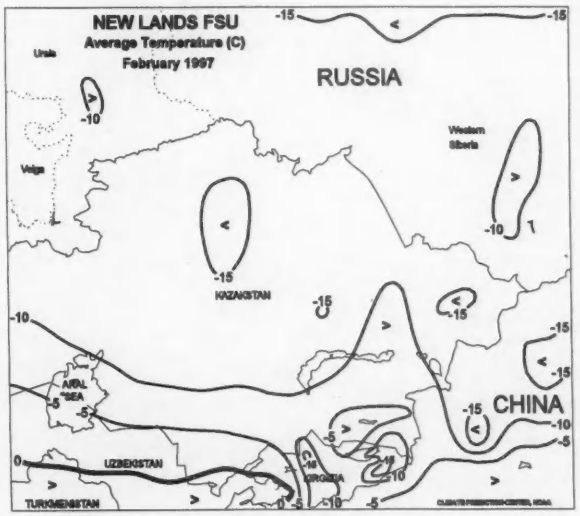


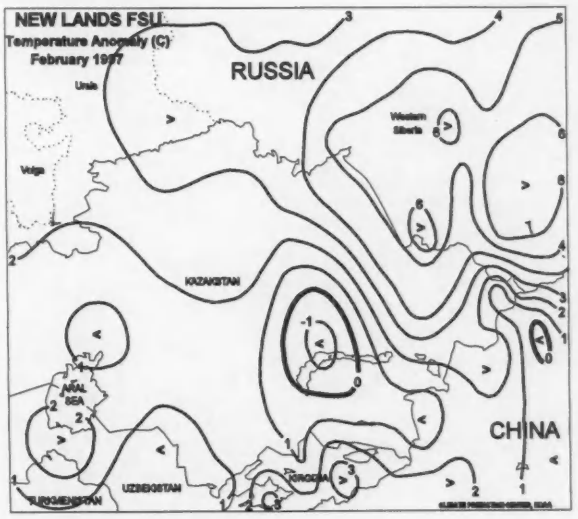



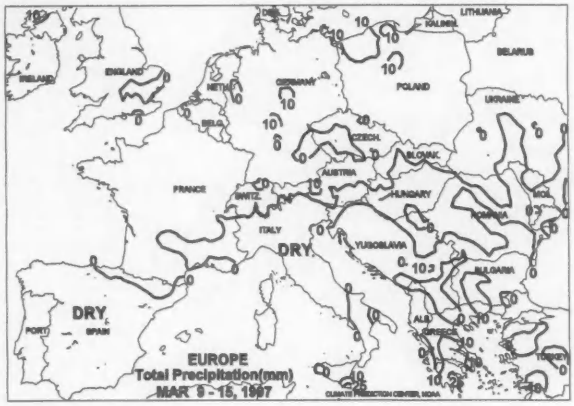




NEW LANDS FSU
Total Precipitation(mm)
February 1997
RUSSIA
Urals
Volga
Western Siberia
KAZAKISTAN
ARAL SEA
UZBEKISTAN
KIRGIZIA
TURKMENISTAN
CHINA


NEW LANDS FSU
Percent of Normal Precipitation
February 1997
RUSSIA
Urals
Volga
Western Siberia
KAZAKISTAN
ARAL SEA
UZBEKISTAN
KIRGIZIA
TURKMENISTAN
CHINA

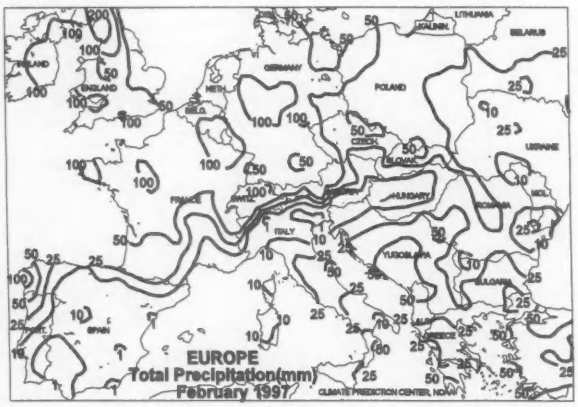

NEW LANDS FSU
Average Temperature (C)
February 1997
RUSSIA
Urals
Volga
Western Siberia
KAZAKISTAN
ARAL SEA
UZBEKISTAN
KIRGIZIA
TURKMENISTAN
CHINA

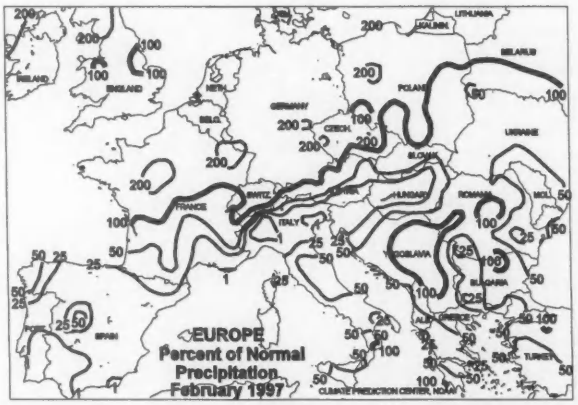

NEW LANDS FSU
Temperature Anomaly (C)
February 1997
RUSSIA
Urals
Volga
Western Siberia
KAZAKISTAN
ARAL SEA
UZBEKISTAN
KIRGIZIA
TURKMENISTAN
CHINA

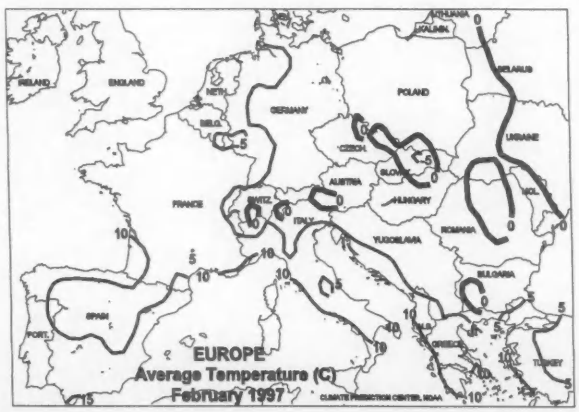


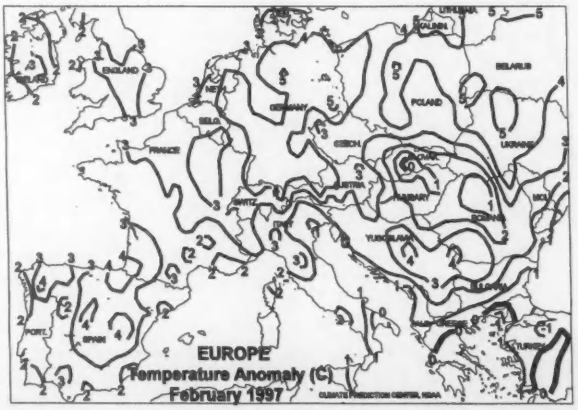

## EUROPE

Unusually mild weather continued over most of the continent, promoting vegetative growth of winter grains. Weekly temperatures averaged 3 to 7 degrees C above normal in most areas. Mostly dry weather prevailed over the continent, although some light showers spread eastward across the north at week's end. Soil temperatures in the west and north were high enough to slow spring grain planting, which was helped by generally dry weather. In Spain, the seventh consecutive week of dryness increased stress on winter grains in or nearing the reproductive phase of development. In February, above-normal precipitation fell in the United Kingdom, the northern half of France, the Netherlands, Belgium, Germany, and northern Poland, reversing a below-normal precipitation pattern that had persisted since the early winter. The precipitation benefited winter grains and increased topsoil moisture for upcoming spring grain planting. Farther south, below-normal precipitation fell in Spain, extending eastward through Italy into southeastern Europe. Overall, February's dryness in Spain was initially beneficial, helping to ease excessive wetness, following heavy rains in December and January. However, the dryness in Spain has persisted into mid-March, and rain is needed soon to maintain favorable prospects for winter grains and spring grain planting. In southeastern Europe, the combination of unseasonable mild, dry weather allowed early-season fieldwork to progress. Unseasonably warm weather prevailed over most of Europe in February. Mild weather in the northwest prompted greening of wheat 1 to 3 weeks earlier than usual and caused crops in eastern Europe to lose winter hardiness.

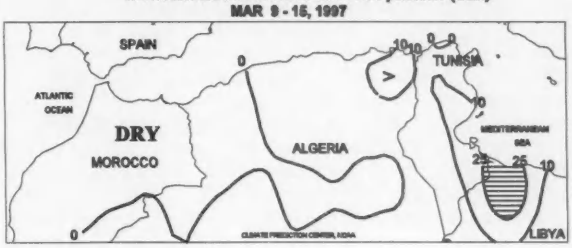


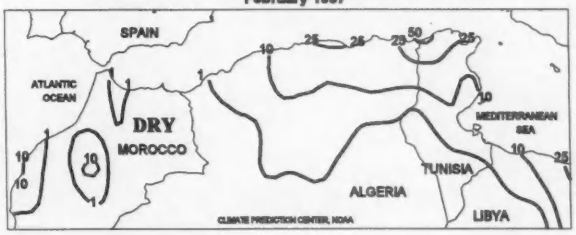
NORTHWEST AFRICA Total Precipitation (mm)
MAR 9 - 15, 1997



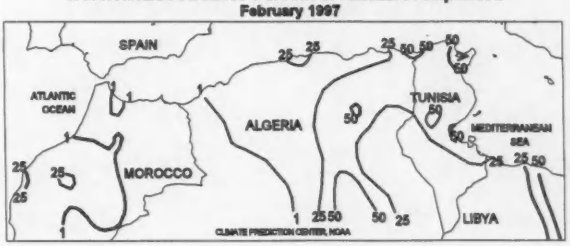

## NORTHWESTERN AFRICA

The seventh consecutive week of dryness prevailed over winter grain areas in Morocco, lowering yield prospects for winter grains advancing through the reproductive phase of development. Farther east, scattered showers (less than 5 mm, with spotty amounts in excess of 10 mm) in eastern Algeria and Tunisia brought only temporary relief to drought-stressed crops. Weekly temperatures averaged 3 to 5 degrees C above normal in Morocco and 1 to 6 degrees C below normal in eastern Algeria and Tunisia. Furthermore, minimum temperatures on some nights fell below freezing (-1 to -3 degrees C) in the southernmost growing areas in Algeria and Tunisia. In February, mostly dry weather prevailed over winter grain areas in Morocco, depleting moisture supplies. Farther east, well-below-normal precipitation in Algeria and Tunisia maintained drought conditions that negatively affected winter wheat and barley development.

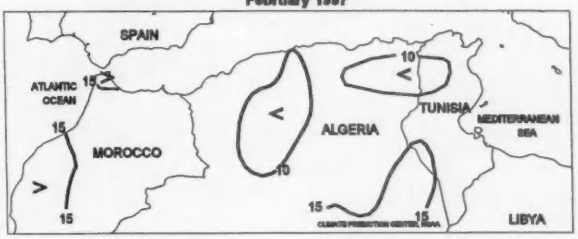
NORTHWEST AFRICA Total Precipitation (mm)
February 1997



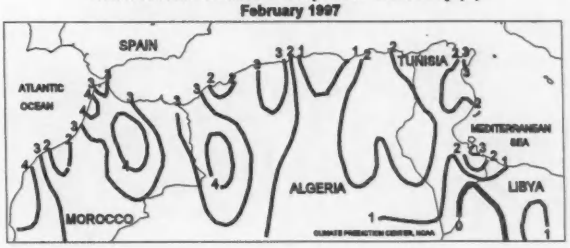

NORTHWEST AFRICA Percent of Normal Precipitation
February 1997

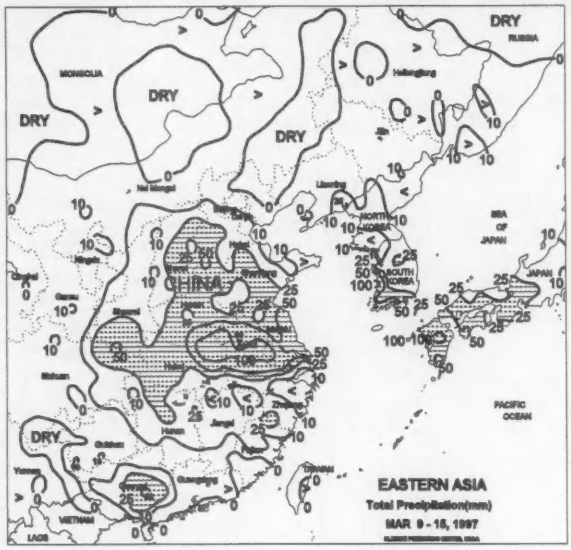



NORTHWEST AFRICA Average Temperature (C)
February 1997



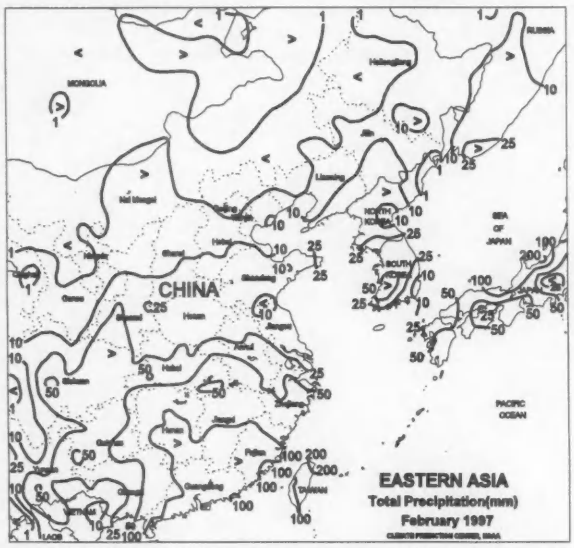

NORTHWEST AFRICA Temperature Anomaly (C)
February 1997

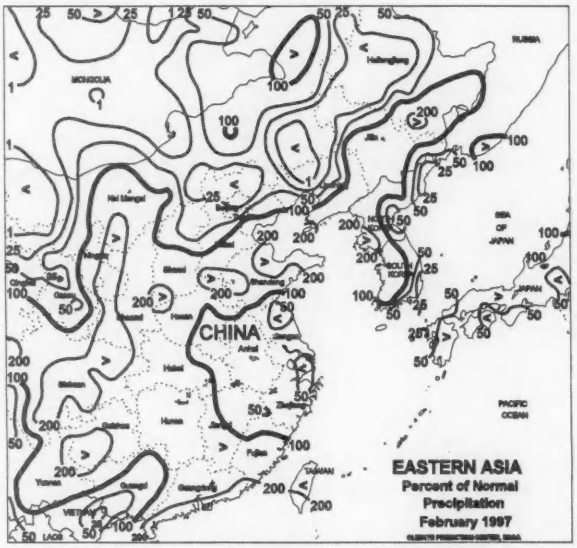


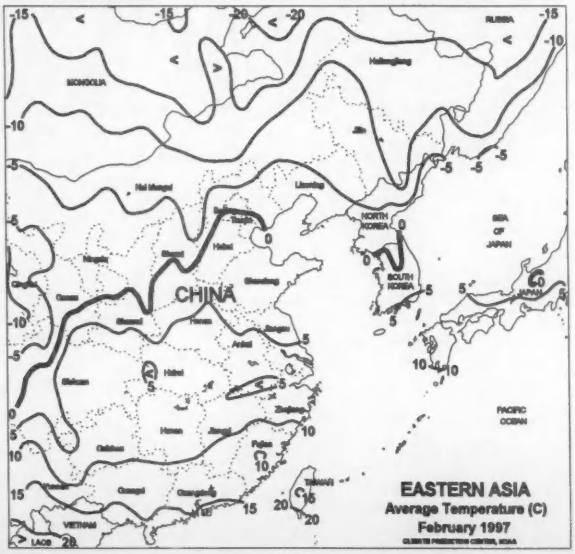


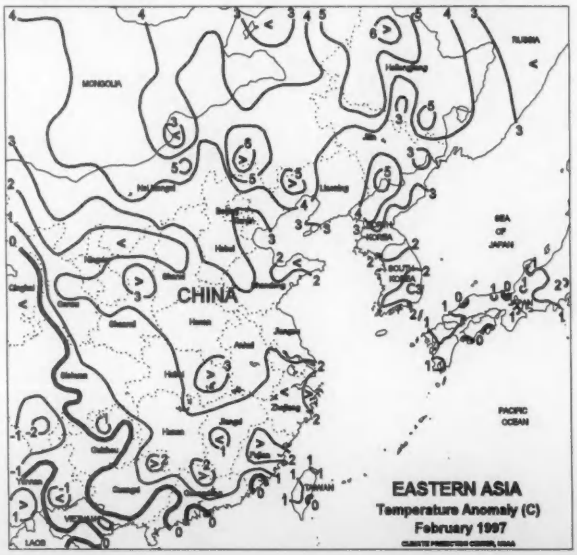

## EASTERN ASIA

Widespread rain (10-35 mm) covered the North China Plain, benefiting vegetative winter wheat and increasing irrigation supplies. Heavier amounts (40-125 mm) were reported across the Yangtze Valley, slowing winter grain and oilseed maturation and harvesting. Temperatures averaged 7 to 10 degrees C above normal (maximum temperatures 28-32 degrees C) across southern China, favoring early double-crop transplanting. Light to moderate rain (10-25 mm) across the region did not significantly slow fieldwork. Despite warm weather (2-5 degrees C above normal) in Manchuria, average temperatures remained too cold (below 0 degrees C) for spring wheat planting to commence. Typically, when weekly average temperatures reach 5 degrees C or greater, the soils are warm enough for spring wheat germination. During February, above-normal precipitation increased moisture supplies for winter grains and summer crops in southern and central China and most of the North China Plain. East-central China reported slightly below-normal February rainfall (60-80 percent of normal). February temperatures averaged 1 to 3 degrees C above normal across most of China, causing winter wheat to break dormancy ahead of schedule. The warm weather also allowed field preparation to commence earlier than usual, especially across southern China.



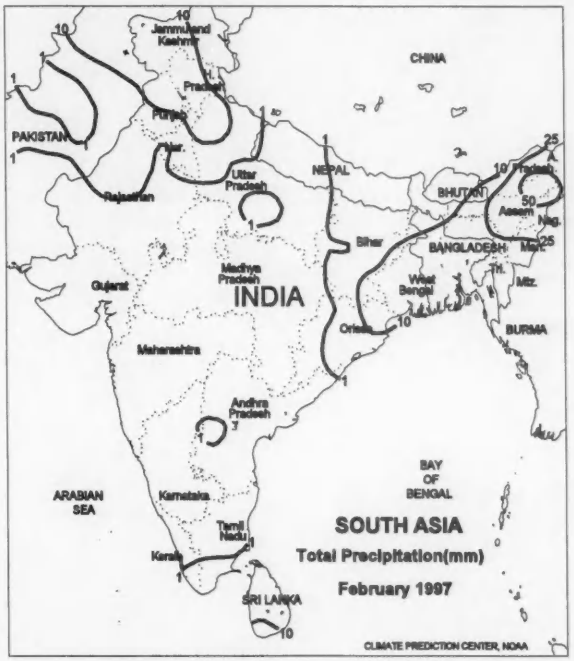



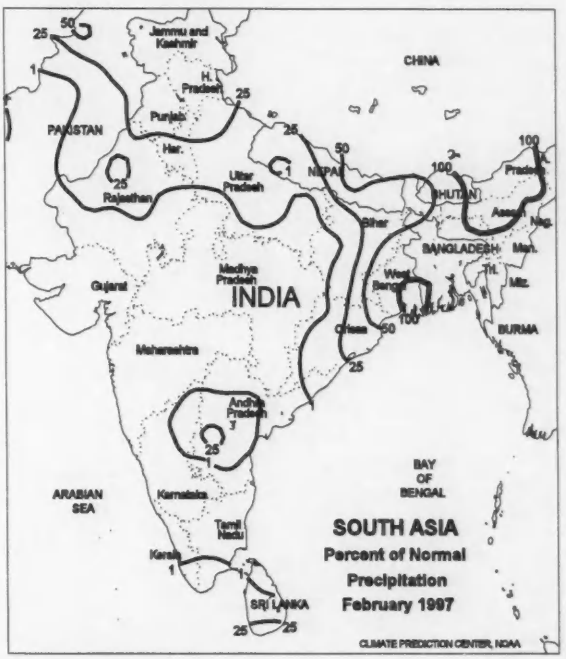



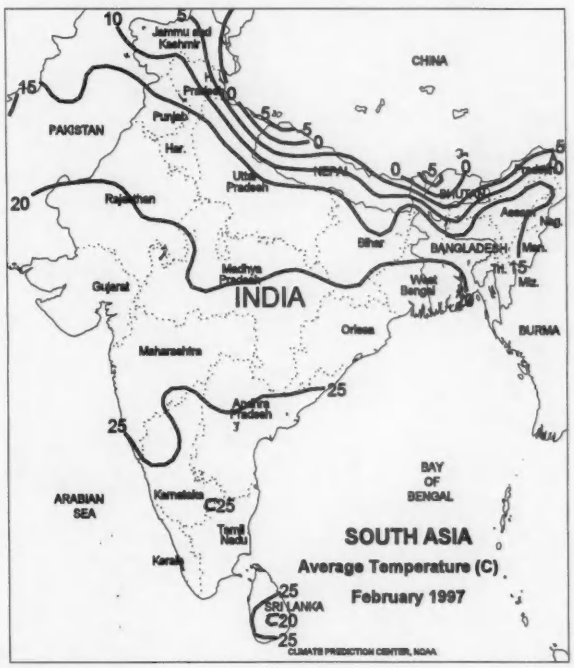



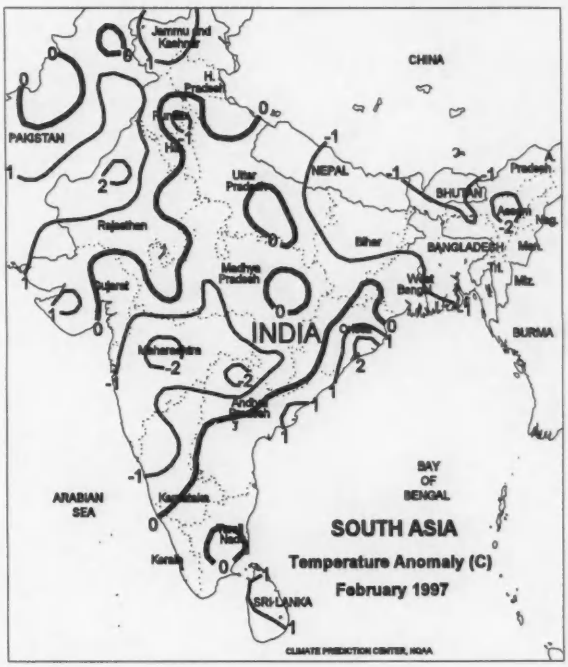
## SOUTH ASIA

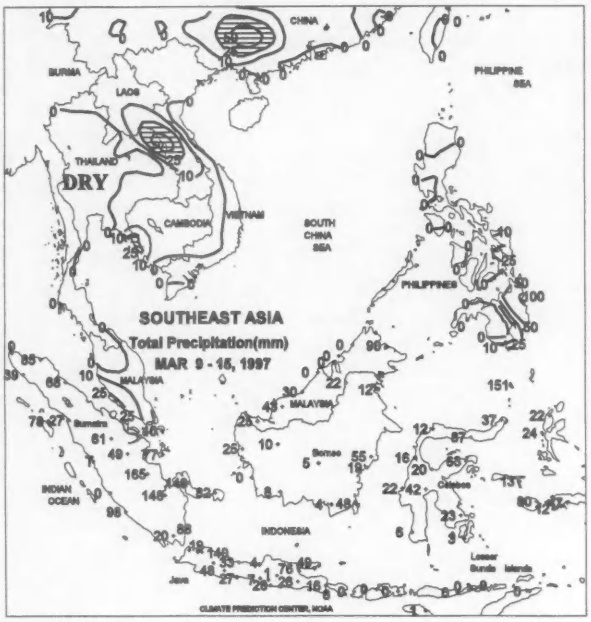
During February, rainfall was below normal over the primary winter grain and oilseed areas. Approximately 10 to 20 percent of winter crops are rainfed and experienced below-normal rainfall for reproduction during January and February.



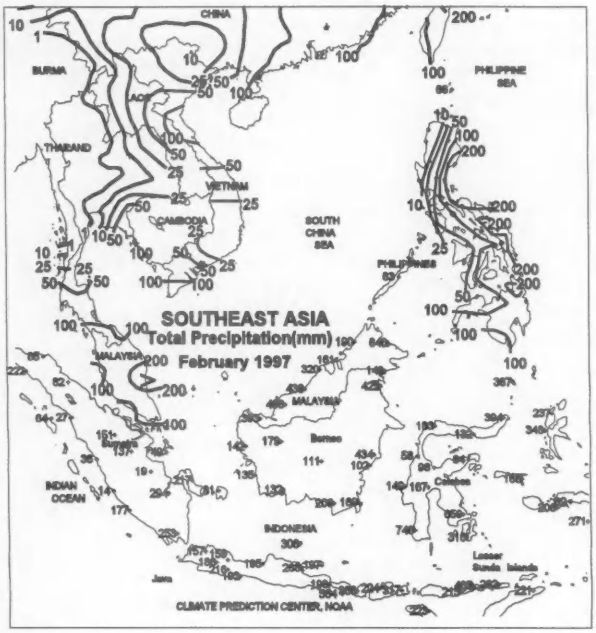



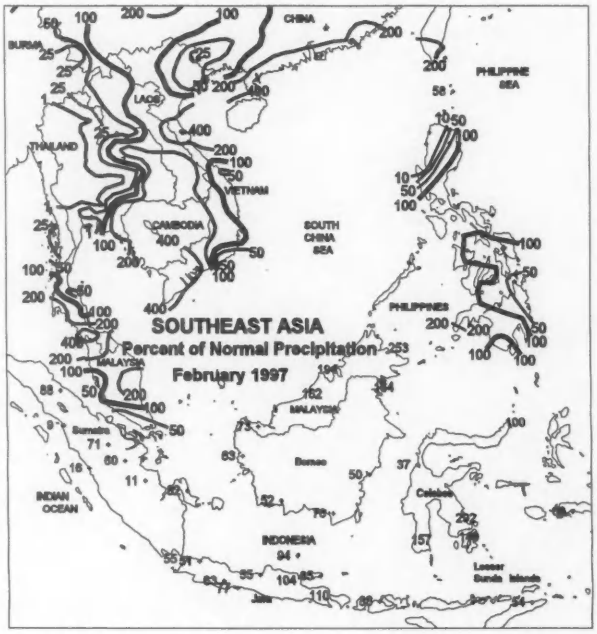



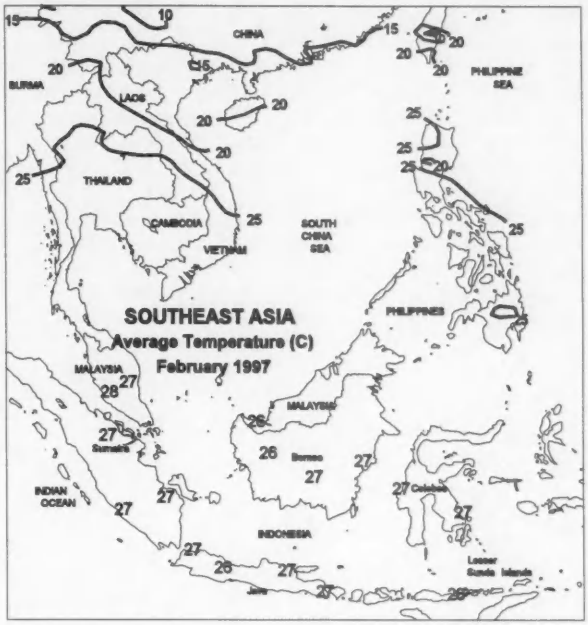



## SOUTHEAST ASIA

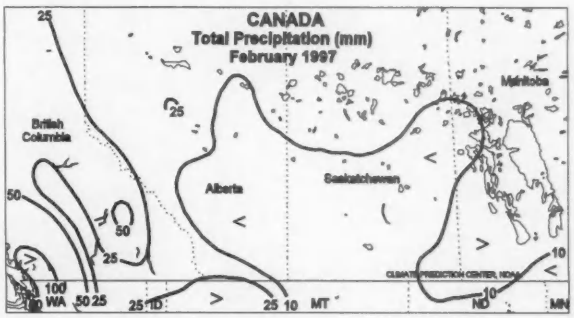
Light to moderate showers (10-50 mm, with isolated amounts greater than 100 mm) covered Java, slowing main-season rice harvesting. Dry weather prevailed across Thailand, where at least light showers are expected during March. Temperatures averaged 1 to 2 degrees C above normal in Thailand, increasing irrigation demands of secondary crops. The rainy season (defined by widespread moderate showers) starts by mid-April across Thailand. Drier weather (less than 15 mm) prevailed across the eastern Philippines, easing wetness from the previous week. During February, near- to slightly below-normal rainfall across Java favored main-season rice maturation and harvesting. Above-normal February rainfall eased January dryness across peninsular Thailand and Malaysia. Near- to above-normal monthly rainfall slowed second-season crop harvesting across the eastern Philippines.

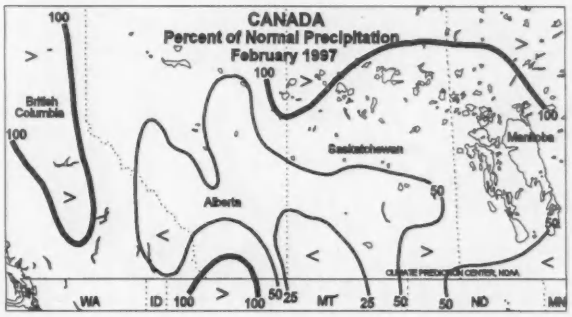


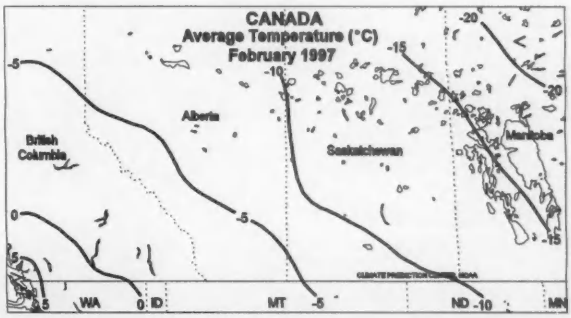



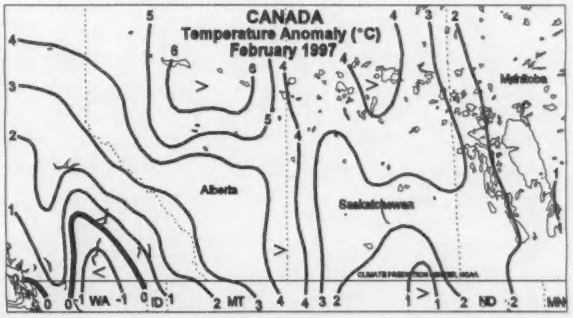

SOUTHEAST ASIA
Average Temperature (C)
February 1997
CHINA
BURMA
LAOS
THAILAND
CAMBODIA
VIETNAM
SOUTH CHINA SEA
PHILIPPINE SEA
PHILIPPINES
MALAYSIA
Sumatra
Borneo
Celebes
INDIAN OCEAN
INDONESIA
Lesser Sunda Islands
Java

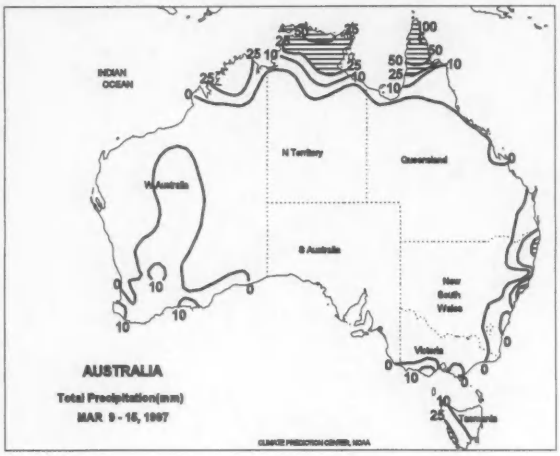
SOUTHEAST ASIA
Temperature Anomaly (C)
February 1997
CHINA
BURMA
LAOS
THAILAND
VIETNAM
CAMBODIA
SOUTH CHINA SEA
PHILIPPINE SEA
PHILIPPINES
MALAYSIA
Sumatra
Borneo
Celebes
INDIAN OCEAN
INDONESIA
Lesser Sunda Islands
Java
CLIMATE PREDICTION CENTER, NOAA


CANADA
Total Precipitation (mm)
February 1997
British Columbia
Alberta
Saskatchewan
Manitoba
WA
ID
MT
ND
MN
CLIMATE PREDICTION CENTER, NOAA


CANADA
Percent of Normal Precipitation
February 1997
British Columbia
Alberta
Saskatchewan
Manitoba
WA
ID
MT
ND
MN
CLIMATE PREDICTION CENTER, NOAA

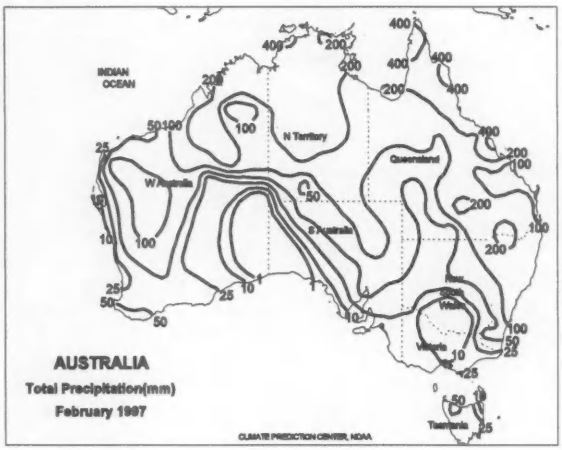

CANADA
Average Temperature (°C)
February 1997
British Columbia
Alberta
Saskatchewan
Manitoba
WA
ID
MT
ND
MN
CLIMATE PREDICTION CENTER, NOAA

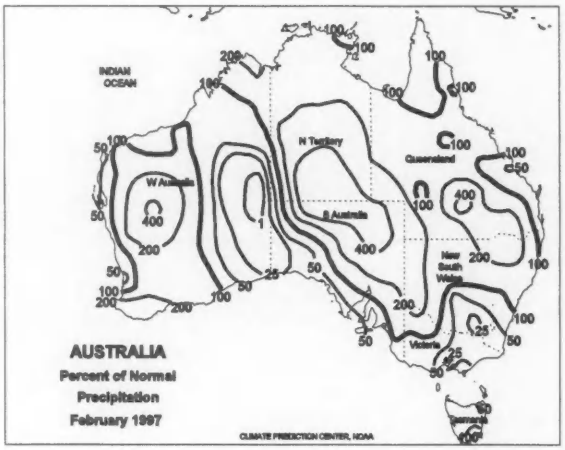

CANADA
Temperature Anomaly (°C)
February 1997
British Columbia
Alberta
Saskatchewan
Manitoba
WA
ID
MT
ND
MN
CLIMATE PREDICTION CENTER, NOAA

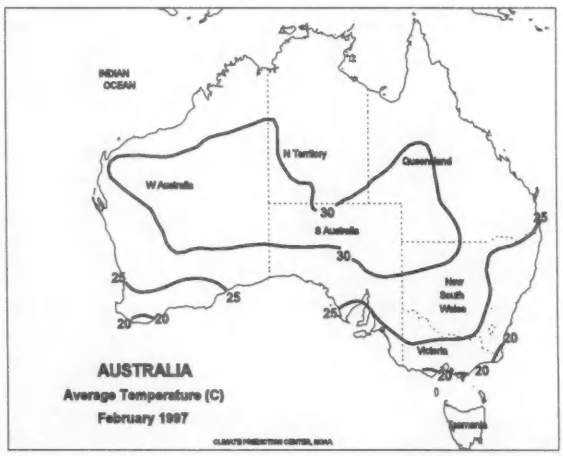


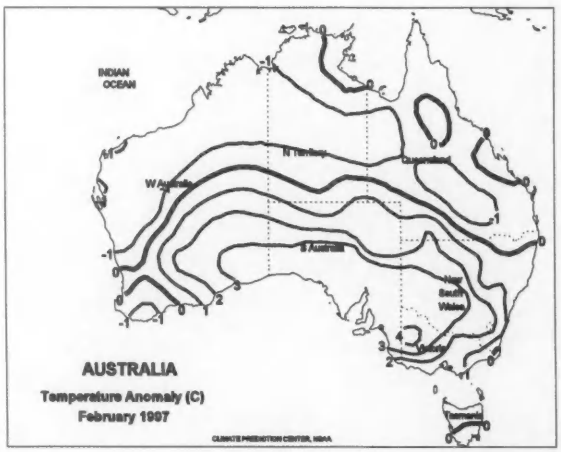

## AUSTRALIA

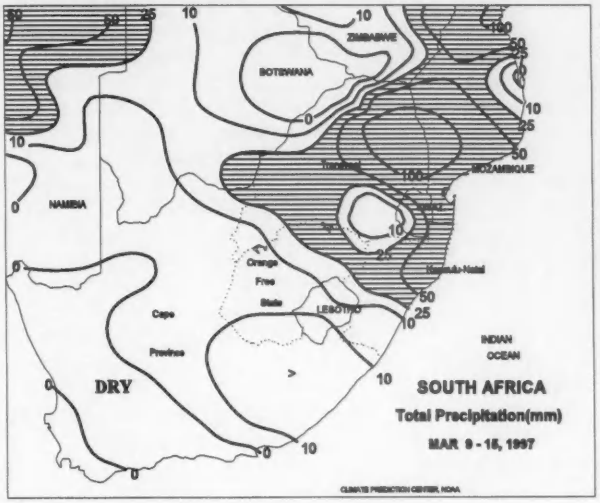
Dry weather dominated eastern Australia, benefiting maturing cotton and sorghum. Temperatures averaged 2 to 4 degrees C below normal, however, slowing the drying process. During February, periods of widespread, locally heavy rain kept cotton and sorghum unfavorably wet during later stages of development. Some local flooding was also likely. However, the moisture was overall beneficial of pasture and coastal sugarcane. February rainfall was also above normal in Western Australia, due to mid-month showers related to the remnants of a tropical cyclone. In New Zealand, light to moderate showers (5-27 mm) were scattered throughout the main pasture areas following last week's soaking rains.



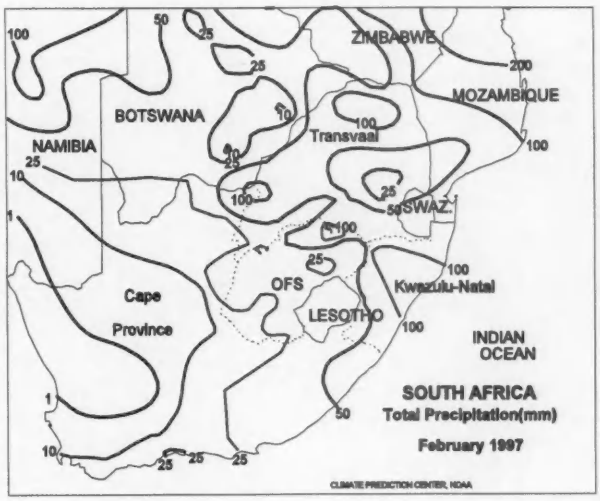



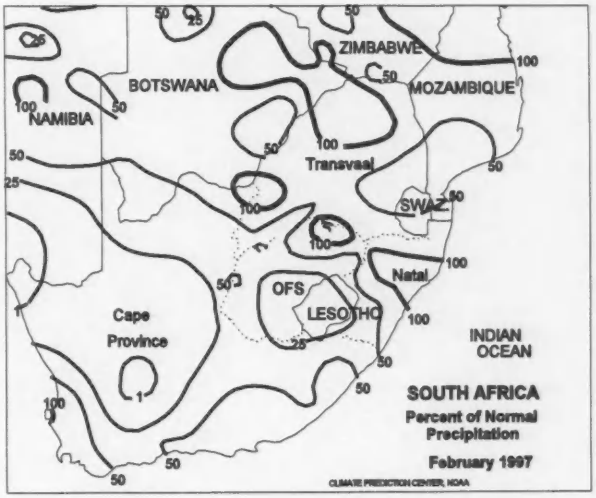



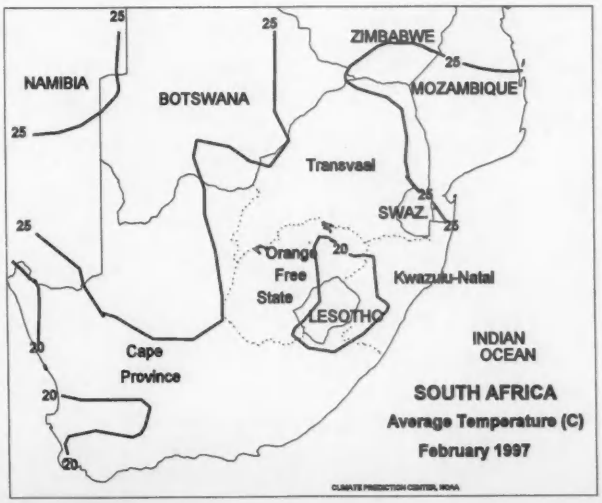


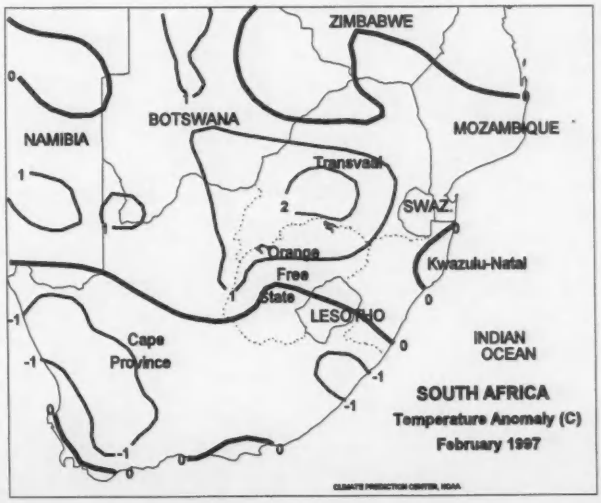

## SOUTH AFRICA

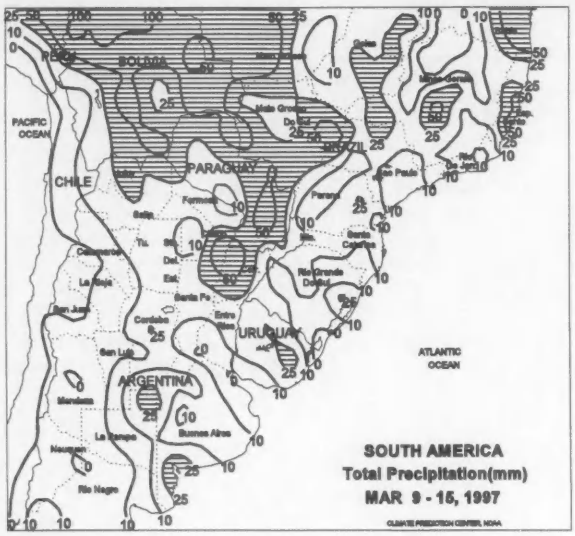
Moderate rain (19-47 mm) continued over a broad section of the northern and central corn belt, keeping filling corn very wet following last week's heavy showers. Rainfall was lighter (10 mm or less) in eastern and southwestern corn areas. Temperatures were seasonable (highs ranging from 33 degrees C in the west to 27 degrees C in the east), favoring development of immature corn. In February, drier- and warmer-than-normal conditions across the corn belt resulted in some declines in yield potential, as most crops experienced some degree of stress during reproduction. However, long-term moisture reserves had been favorable, mitigating the impact of the untimely drying trend. February rainfall averaged near to below normal in sugarcane areas of Kwazulu-Natal.



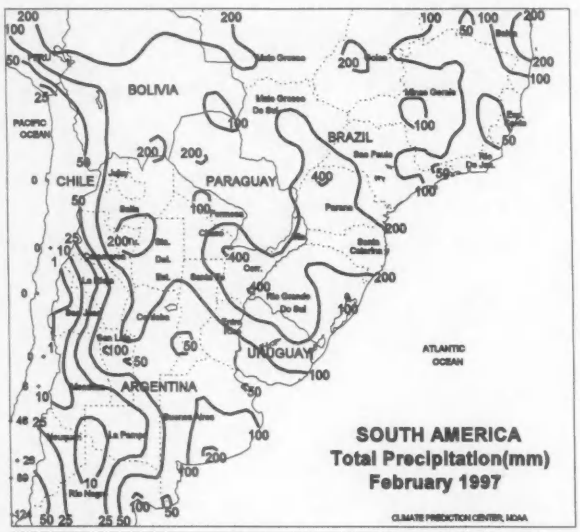



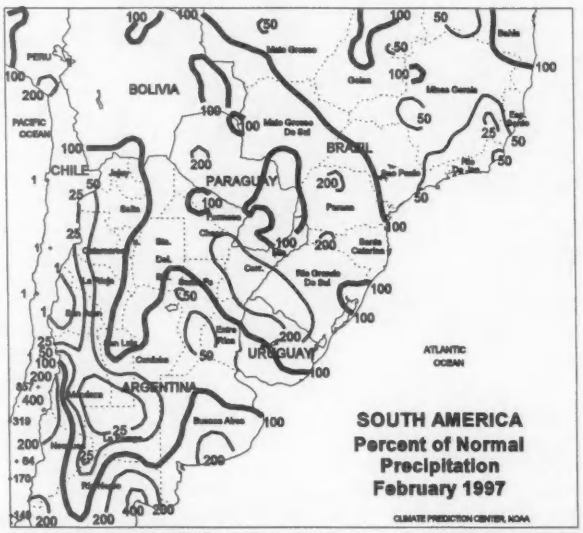



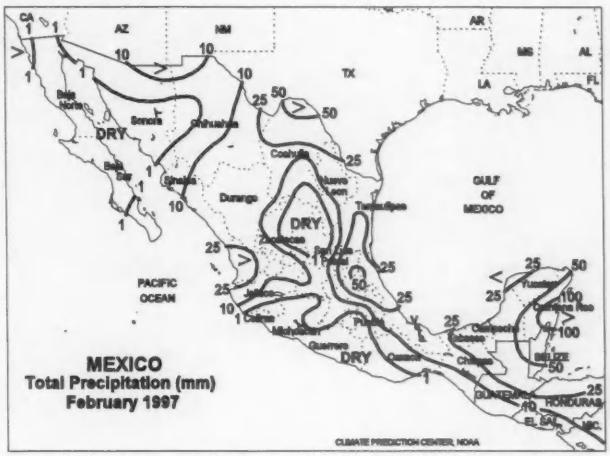



## SOUTH AMERICA

In central Argentina, mostly dry weather continued to stress second-crop soybeans across southern Santa Fe. However, La Pampa, northern Buenos Aires, and portions of southern Cordoba received moderate rain (15-40 mm, with isolated amounts greater than 70 mm), easing a developing drying trend. Temperatures averaged 1 to 3 degrees C above normal (maximum temperatures ranging from 30-32 degrees C) across southern Santa Fe, further reducing soil moisture. Moderate showers (30-60 mm) slowed cotton harvesting in northern Argentina and southern Paraguay. In southern Brazil, light, scattered showers (10-40 mm) allowed soybean harvesting to progress across Parana and Mato Grosso do Sul. Heavier showers (50-80 mm) slowed fieldwork in Mato Grosso and Goias. Light rain (5-15 mm) favored filling soybeans in Rio Grande do Sul. During February, southern Santa Fe, Argentina received only 30 to 45 percent of normal rainfall. Rainfall averaged near to above normal across central and southern Buenos Aires. In southern Brazil, the major soybean growing areas received above-normal rainfall, favoring filling soybeans. In Mato Grosso and Goias, near- to below-normal monthly rainfall favored early-season soybean harvesting.

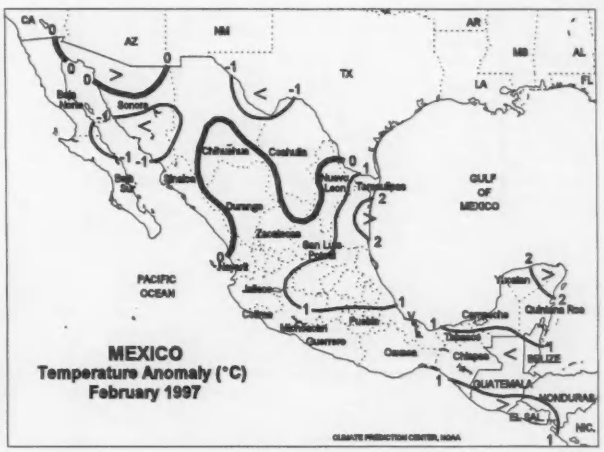



MEXICO
Total Precipitation (mm)
February 1997
DRY
PACIFIC OCEAN
GULF OF MEXICO
CLIMATE PREDICTION CENTER, NOAA

MEXICO
Percent of Normal Precipitation
February 1997
PACIFIC OCEAN
GULF OF MEXICO
CLIMATE PREDICTION CENTER, NOAA

MEXICO
Average Temperature (°C)
February 1997
PACIFIC OCEAN
GULF OF MEXICO
CLIMATE PREDICTION CENTER, NOAA


MEXICO
Temperature Anomaly (°C)
February 1997
PACIFIC OCEAN
GULF OF MEXICO
CLIMATE PREDICTION CENTER, NOAA

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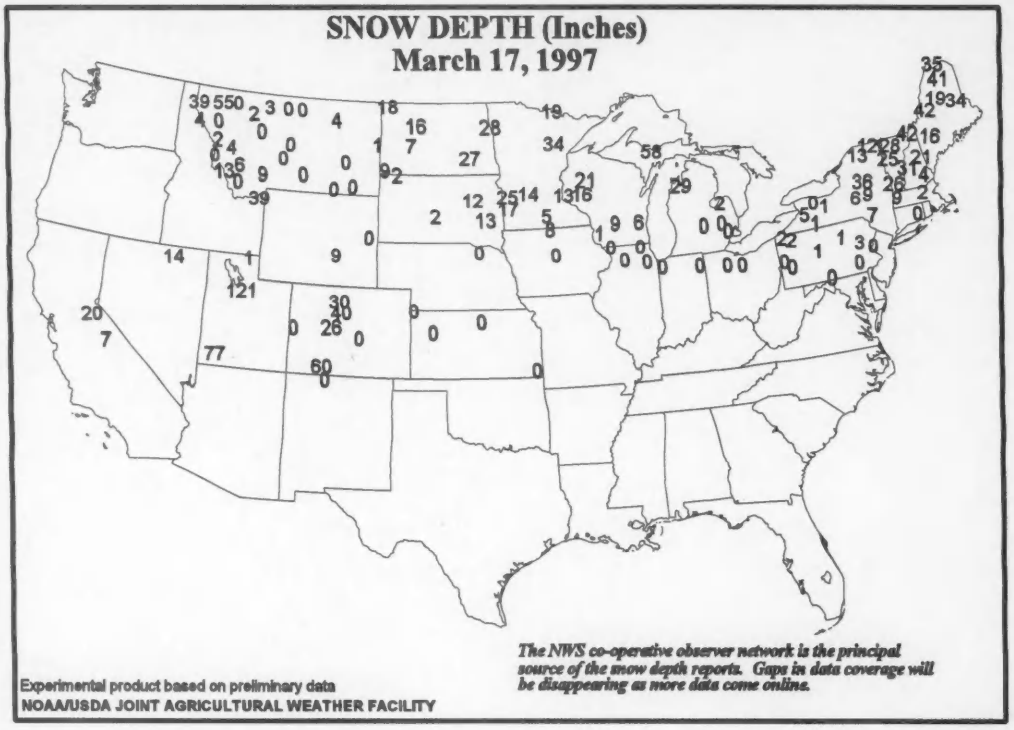
SNOW DEPTH (Inches)
March 17, 1997
The NWS co-operative observer network is the principal source of the snow depth reports. Gaps in data coverage will be disappearing as more data come online.
Experimental product based on preliminary data
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

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